

Fulham outsider

ary candidate Jon Swinden, who intil yesterday was bidding to join ydney Chapman as an architect-

Swhiden, 39, of Covent Garden-based practice Chapman Lisle Mansfield, was the first candidate of the recently formed I tunianist Porty, eampaigning for decentralisation, nuclear disarmament, a cooperative economy and "the humon being as the

Midland revealed

THE major clearing bank in-terested in taking space at Canary Wharfhasbeen revealed as Midland Bank.

But the bank issome way even from entering serious negotiations, ict alone looking at the architecturnl answer to its problems. No decision has been made as to whether the bank will build its own scheme, expected to be up to 90,000sq min total, or whether it will take an "off-the-

The Midland's requirement, revealed in a letter to staff. would seem to match one of the schome's 80-storey towers but group financial series head Charles Davies said the bank "might well go for low-rise rather than high-rise".

IFSEC to open

and security exhibition and confarence, opens on Monday at

The official opening will be attended by home secretary Douglas Hurd. There will be more than 500 exhibitors. For details, tel: 01-446 8211.

A new GLC

FORMER senior Greater London Council architects John Parker and Donald Adle will next week launch Greater London Consultants, n group apecialising in environmental planning and urban design.

...signing off...

THE HIGH-TENSION LEAD.

Architect in union dispute faces sack from Lambeth ONE of Lambeth Council's senior architects could lose his told he must face a disciplinary hearing. Meyer has applied for finaneial assistsnce from the Federsted Union of Managerial and job next week over allegations

Professional Officers to fight

One major problem could be

that the choir of the Lambeth

branch of the FUMPO is Jomes

Campbell, who is bringing the

the case, but lias not yet received

notice of its intentions.

liearing against Meyer.

of mismanagement which ite claima liave "no substance whaleyer".

Herbert Meyer, a practice nnnager with the council, has been suspanded on full psy for more than nine months because conneillora claim he has lost the confidence of borough development officer James Campbell and of fellow officers.

The council refuses to be more specific, saying it is keeping the matter confidential to protect Meyer - indeed, so confidential that Meyer's solicitor was this week still awaiting details of the

Meyer wants the esse to be brought out into the open. Ho

By Alan Thompson

claims the accusations ha will be asked to reply to on April 15 are motivated by political and personal issues.

He criticises the actions of the local government union Nalgo and this borough's development The Nalgo bronch mel this

week to discuss Meyer's criticisms, but declined to comment to BD, requesting that this story be dropped pending a meeting with a "forum" of its members. Ho came to Lambeth from Hacknay in September 1983, but within six weeks the staff under

his control had organised a voto of no confidence. The only major change he says ha brought about during this time was the compulsory signing of flexitime time sheets

to accompany the honour system of timekeeping in use at On July 17, 1985, Meyer waa told that councillors wanted him out and that he should leave the building that day and not return Ha was offered early retirement with added years, a lump sum

and an augmented pension. Due to his short length of service he could have eaded up with about £10,000 and estimates a loss of earnings of at least £200,000. He turned down

View from

The feature, designed in house, consials of two atcel towers with observation platforms at various levels.

The sponsor will have to fork out some £2m for the project which is seen as a major attrac tion and promotional device.



The first building in London Bridge
City to be completed and become
operational was opened on Wodnesday, London Bridge Hospital was
designed by Liewelyn-Davies Weeks
and built wilhin the shell of a listed
warehouse on the bank of tha Thames.

The utrium and garden.

Pru unveils scheme to
rival giant neighbour

The £13 million conversion (plus £7 million fitting out) has produced the first hospital in Europe to include an striam, which was needed to give light to internal rooms in the square-shaped building. The atrium has rooma on three sides and is mirrored on the fourth, giving the impression of greater width and doubling the light in the space.

The 1t3-had private hospital has six floors covering t0,000sq m, and is the second designed by the architects for the owner, St Martins Hospitals.

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The atrium and garden.

rival giant neighbour PRUDENTIAL Portfolio Mnnrestaurants and leisure leizur Dut back
John Wythe, PPM's ded agers and partner Mnrks & Spencer have unveiled their £90 million competitor to n £100

million retail and leisure complex planned for Cribbs Cousewsy in Bristol (BD Mnrch 7).
The schame, designed by Building Design Partnership, is celled Project Retail 2000. It comprises a 13,500sq m Mnrks and Wytheadmittediada

Cribbs Causewsy alrest vestigations. an 8,000sq m Carrefours & Spencer store, more than uf both schemes being the 33,000sq m of additional retail permission were sliml

discipline in New Delhi A marble-elad reinforced concrete lotus flower is set to become the next major londmork in New Delhi. Designed by tranian architect Foriburz Sahbn with London-based engineers Filmt & Nelli Partnership, the building is the largest of seven major houses of worship being built by the Bahol'i Fetth around the world. hearings Faith oround the world. The structure was originally designed in the late 1970s, but its construction has involved overcoming immense technological and local construction challenges. Completion is expected

Lambeth

ment manager, desie bi TWO disciplinary hearings posal is a rival to the a brought at Lambeth council bouring JT Bsylis see against architects failed to go saying it was conceived alread this week, as plans were hatched to begin countar in-

Herbert Meyer, o £22,000 year practice manager who has been suspended on full pay for nine months, had his case put back for "about a month".

And Mark Drummond, a senior architect under Meyer, refused to attend a leastily arranged hearing on Wednesday, protesting that he had been given only 26 hours' notice instead of the statutory five days, and was being pressured to defend himself against charges he had not had time to fully

Drummond said be had been suspended for speaking to the press and for backing Meyer's allegations of union intimidation. The union involved, Nelgo, was unavailable for

Meanwhile, Tory councillors are determined to investigate the disputes when they take over from the caretaker Labour leadership at Lambeth on April

According to sources in the council, the new leadership will immediately reinstate Meyer and Drummond and launch an inquiry into the running of the borough development office and the conduct of Nalgo shop

Liability move veto

THE Government has rejected a auggestion by the Group of Eight for amending the proposed legislation on latent damage liability.

Environment minister John Patten told RIBA president Larry Rolland that its proposal — for a 15-year long-stop from the date of breach of duty, or 12 years from completion — "would leave potential plaintiffs

Paris cash cut

to lop £100 million from the budget for the nine major state-funded architectural projects in

Among projects likely to be affected is the 1 M Pei glass pyramid scheme for the Louvre.

ON SCHOOL CUTS AN overwheiming maj- mediately move to defend NELP and other schools, said

ority at Wednesday's the motion's proposer, Peter speciai general meeting at the RIBA cailed on the But the institute's official line was that it had been doing what institute to uphold its its many critics said it should be charter and resist Government pressures for

Lotus blooms

hy the end of the year, with a final cost expected to

The design is of o lotus flower, giving o nine-sided plan, surrounded by nine pools. Within the motn petols is o steel and gloss roof, ond glozed walls rise from the podium, shielded from the sun

e about £t 4 million

But the vote at the end of the long-awaited debate was reduced to a formality when education chairman Peter Melvin asked everyone to support the motion.

education cuts.

He claimed the institute had upheld its charter and had taken a responsible line in defence of

But Nathan Silver, head of the hrestened North East London Polytechnic school, who seconded the motion, slammed the institute's record and described institute lesders as "bootlickers so misguided they will deserve the boot they get".

yote, 131 to 5 with one abstention, the institute should im- McLeod, formerly of the

Kelih Josepo was contronted wilb the latest laformation on the deute shortage of architects this week — courtesy of Building Design.

Huddersfield MP Barry Sheerman decided to give copies of our last issue personally to Joseph, education minister Christ Patter, and education minister Christ Patter Pattan, and education minister/
National Advisory Body chairlogiy ill-informed comments.

debate left him concluding that Peter Ahrends, newly ap-pointed professor at the Bart-"RIBA policy for the past four to five years has been absolutely lett, but who spoke as a practiwanting and frankly bewildertioner, questioned the need to "stabilise" the profession. David Rock of Rock Towns-Thnmes poly school head Jacques Psul criticised the fact

the most applauded speeches.

His analysis of the education

'running scared and negligent'

in the face of Government pres-

Royal Incorporation of Archi-tects in Scotland, said his

members were opposed to all cuts and that the RIBA and the

schools should "stop arguing, get round the table and fight

But RIBA treasurer Noel

Wurr defended the institute's

record. Numbers were not being

cut, but stabilised, he said. This

was sgainst a background of

Huddersfield school head

Tony Forward alleged the

Wilson said: "The RIBA's end said the evidence was that education and professional architects were in short supply, development committee should architecture was a popular subject and that the architect's role must widen. The RIBA was

Institute critics win moral victory at special general meeting

The weekly newspaper for the design team

By BD Reporters

be castigated for its behaviour and lack of consultation with the

Replying to the motion, Professor John Tarn, vicechairman of the EPDC, said the institute had maintained a responsible, positive view in difficult circumstances.

He emphasised that the committee liad formed its own views independently of the Government, and was committed to s five-yesr course and a network he boot likey get".

Following the outcome of the closure proposals for Belfast Other speakers included Bob

Joseph given the facts EDUCATION sacretary Sir man Georga Walden, to draw

institute had follen into n "situation of collusion and appeasement" with Govern-

Commenting on the educa-

proposed cuts. Although a reduction in student number

Council suspends architect HUMBERSIDE county archi-

tect Peter Dale was suspended from office this week pending a disciplinary hearing.

The council refused to com-nient on Duic's case, but Nalgo representative Std Cunliffe told BD that the suspension followed an nudit investigation into "irregularities" at an orea office in Hessel, outside Hull.

Staff at Hessel have been asked by Humherside auditors to give statements on the running of the office, said Cunliffe, with the suggestion that "certain roams have been used for social purposes". Nalgo members may be implicated.

Dale belongs to the Federated

Union of Managerial & Profes-sional Officers, which said the architect bad informed it of his

It also understood the council was investigating allegations concerning the "office conver-

FUMPO told BD that it was "very seriously concerned at Humberside's decision to suspend Mr Dsie at this stree".

Dale, n former RIBA councillor, was unrealiable for com-

Stansted start

WORK started this week on site nt Stansted - but the centrepiece of the £290 million airport expansion scheme, Foster Assowraps. The long-awnited scheme is now expected to be



now seemed inevitable given the RIBA's stance, he said further

that the RIBA visiting board

report would not be taken into

account when the decision to

close down some schools was

cuis could be on the way.

"It's raining cats and dogs yet there's not a drip through the roof. How do you account for it Holmes?" "Elementary my dear Watsonit's

Ward Standing Seam."

The secral of Ward Standing Saam Roof SS600 for all commarcial and Industria buildings lias in 97% fewer ilxings that aliminata laak possibilities. And tha snap-on batten cap that covera Interlocking standing seam panela above water drainage level. SS600 from Ward Building

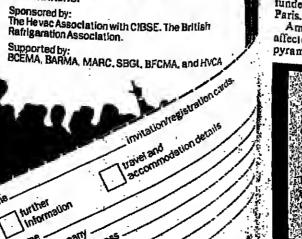
Componants la a completa system with a renga of accassorias including roof-lights and guttars.



the top

MILTON Keynes Development Corporation is looking for a sponsor so it can build a 90m-high "tower of light" vertical feature on its control feature on its central business exchange.

Building Design, London 8.El8. Every Friday. Copyright 1986 Morges Grampian plo. The contents of Building Oesign are subject to reproduction in information elerage end retrievel system. Member of the Audit Bureau of Circulations. Filmsel by Phoenix Typesetting Ltd. Ruilland House, 90/92 Baxier Avenus, 80/91 Baxier Avenus, 80-91 Baxier Baxier Avenus, 80-91 Baxier B



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tncorporating Intamational Energy Efficiency Exhibition.

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MARK

Sirower Williams pages 24-29

usually hove "one-off to

But while the reportpal

ICSC president John ?

inga said specialitystero

the new pattern of will

development in the US, at

included a revival of miss

He also pointed to these

the inner city areas.

15 years old.

tunity for creative refu

ment, given that half the

ping centres in the USamal

And he noted that ?

replacing department for

than multiple tenants.

about locations.

Speciality

architect Philip Cox's lecture at the RIBA on Tuesday.

lan Latham reports on Australian

Antipodean adventures

Australian architecture perhaps a coming of age are a fascinating and fruitful area of study.

With an "architectural history"approaching just 200 years. set against the background of Aboriginal hobitation that reaches back thousands, the questions of precedent are virtually inspossible to solve. The sheer scale of the inniscape, the dense urban centres of population, the climate and horsh sunlight tend to complicate mntters still more.

Prefucing the discussion of his work with no attempt to explain these aspects which charneterise 'Austrolianness", Sydney areliteet Philip Cox suggested that architectural solutions could be found which respond positively and intelligently to the situation.

With an office of 70 people and still not 50 years old, Cox is a successful architect by ony standards. His current commissions include major urban projects, several for the forthning (1988) bicentenary celebrations, such as the Maritime Museum in Dnrling Harbour, ond the practice has recently

Cox: "nothing complicated, nothing false."

After intensive

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Ayers Rock.

Cox first enme to prominence some 20 years ngo as n member of the so-called Sydney school, whose work was based on simple rural principles, employed mal-erials such as brick, liles, limber and glass, and consisted mostly of individual houses. It was among the first attempts to establish a modern Australian architecture and its references were the vernacular sheds which typified the early settlements.

Cox's practice has grown as the eountry's prosperity has increased — and the scale and nnture of his work has shifted from small-scale to large-scale

Peter Murray observed an accompanying shift from a postmodern vernacular approach to a more internationalist hi-lech that seemed to be more than a response to the building types and their contexts. Kit Allsopp took up the point and questioned whether the growth of the office, and the accompanying problems of controlling jobs had led to these changes. Cox thought not, and stressed the developing themes in his work 'nothing complicated, noth-

Cox wss "not interested in the superficialities of postmodernism", but he aeknowledged the "tremendous stimulus" it lind had towards "releasing the morality of the Modernist school"; there is now n new freedom, and architects no longer feel it necessary to at there strietly to Modernist doetrine. The early work, Cox believed was a "nervous translation of the vernacular" - a tenintiv

but necessory slep. The new lown at Ayers Rock, the spiritual (to Aborigines) and geographical heart of Australio, is the third largest scittement in the Northern Territory. Con-aisting of a sinuous developmen! - likened to a string of jewels - with hotels at each end to form magnets, the resort is low lying and energy efficient, with acres of solar collectors. II aits lightly on the stable desert sands. Exicusive roof glazing and tensile canopies for shading keep residents comfortable yet aware of the translent nature of their situation. And it is this aspect, one suspeets, that could indicate an important direction as Cox takes on increasingly

challenging projects.

and architecturally intern

araeler development

centre, more congestion,

of Tomorrow that Continue planners have been much

Tesco says in The High!

then loss of trade.

tor growth growth of "speciality" shapunits than in a come been scheduled os an ancient been scheduled os an ancient Covent Garden, Waverley Market in Edinburgh und Albert Dock Village in Liver-This is the conclusion of a cport by Cunadian-bused D I Design & Development Consultants and surveyors Jones Lung Launched at the European conference of the International

By BD Reporter

Council of Shopping Centres, the report says nine such centres are planned in open in the next two years, adding to the 12 alrendy npernting.

It defines speciality centres as those with a high proportion of restaumnt and cafe uses (prohably at least one third), enterlainment fentures, a high level of themeing (which means no architecture is becoming) conventional anchor store ten- rather than the exception.

The Frenchgale centre, Donesster, has non feelle Jones & Paners and cellent the Prudential an international Council of Shopping Centre and International Council of Centre and International Council of Centre and International Council of Centre and International Centr topped the refurbishment category in the European shopping centers announced at The Hague this week. The building was formerly an article before the building was formerly an article before the building was formerly an article before the building was formerly as a beginning the building was formerly as a beginning to the building was formerly as a building was a build and was extensively remodelled, but without a single trading day being was opened of the end of lost year, during which Leslie Jones celebrate an award.

The development was one of seriou UK schemes consider an award.

Inner-city retailing helpe by out-of-town stores

OUT-OF-TOWN superstores help an feguard the character and commercial viability of the high street, elaimed the Tesco group

In the latest of a series of Jussi Rautsi, researcher at the Ministry of the Emiracement, Helsinki, will lecture on Alvar Aalto's urben plans 1940-70 at the RIBA, 66 Portland Place, London WI, naxt Tuesday, April 22, at 6.15pm.

Details: 01-580 5533 fext 4333. character developments in the Herts.

tects said Paisley needed parkenlightened in sceing ing with or without scentre, and sal" of retail pressures as lo protect and enhance hi

Television

THE BBC's latest series on domesile architecture, "House and Home" begins tonight with a look at the medieval yeoman's home.

medieval yeoman's home.

The eight programmes aim to show the evolution of the "ordioary" English home from the Middle downs of the industrial Revolution, and the earliest London County Council coltage estates to the massproduced housing of recent decades. Avoiding both the castles of the rich and the hovels of the phor, producer Suzanne Davies concentrates on the

the castles of the rich and the hovels of the poor, producer Suzame Davies concentrates on the houses in between, in a demographic presentation ex which is educational and anjoyable.

Guided by architectural higherian Nicholas Taylor, author of The village and the city, the viewer is lovited into homes still in domestic use and treated to ra-enact ments of life as it might have been.

The first programme lovestigales like structure of the timber-framed hall bousing which imitated

the grander holls of the gentry. It features a sub-thatched house in Wacion, Norfolk, Parten Gre-Farm in Suffolk and tha resionallog of Northern Farm outside Wolverhampion.

Panning in from acrial views explaint the building's environmental relevance. House thome cxplains graphically the architecturationale, conveying complicated building learning to the layman accessible form for the layman. The tour of adapted buildings still in see interviews with present residents steems a salutative with present residents steems a salutative statement of the calculations.

extension to the portrayal of the original home.
An illustrated book of the same name, writer,
Anihony Quiney, accompanies the series and available from BBC Publications, price 19.95.
Fiona Grand.

(Friday) of 7 25 (Friday) at 7.35pm.

Developer fights for Centres set monument

A LONDON borough is under fire for disregarding a valuable ancient monument on u local site, while the developer is trying

Sainsbury's plans a hyper-market and office development at the 12ha Priory Park in Marton which covers the size of Merton, which covers the site of

They are also usually a: monument and the company board an existing but the site. has given the London Museum Scott McCracken, an archaeologist from the museum, said

Sainsbury's hod been extremely growth of these centre, in sympathetic and had already says that per capita spend-Britnin is lower than in the offered to move the development 50m to accommodate the where these centres are But he warned that a relief commonplace, and ded; will need to be more sky

road the conneil wants built through the centre of the site will destroy remains of the Chapter Suinsbury's obtained sched-

uled monument consent for the Chapman Taylor development, and is currently waiting for the outcome of o public inquiry.
The archaeologists' work is

deprived of 500 jobs because two

councils and a college cannot

join forces to produce land for a car pork in Paisley, Strathelyde.

been trying to get agreement over the car park for 21/2 years,

since winning permission for a

town centrescheme, designed by Scott Brownigg & Turner, in

Planning gain for the council

was to be a 500-space car park,

for which a sile exists - but it is

owned by Paisley College of

Technology, which has so far

The college is understood to

have hopes of expanding facil

Renfrew council has declined to become involved with the impasse, for example by issuing

a compulsory purchase order,

because it says it is a county responsibility. But Strathelyde

council has taken the attitude

that it is up to the developer to

sort out his own parking prob-

A spokesman for the archi-

LEADING Brilish designers are to open an alternative "design

Plans are advanced for a trade

centra in London that will provide

a showcase for the 80 members of

the Independent Designers Fed-

eration, a group that represents

mony leading furniture designers

Tha centre la the first part in a

new programme of acilvity aimed

al promoting members' work to

architectural and design prac-

tices, and to increasing markets.

Michael Aukett Associates,

DEGW, Flich & Co and Paota-

Major consultancles such as

and others.

eenire" to market their work,

lop designers combine

to promote their work

resisted negotiating a firm dea

with the developer

lies on the land.

Developer Arroweroft has

Council impasse

threatens jobs

Ihrorn his support behind a controversial scheme for over the council — he owns the islands, and the Duchy of Cornwall was among initiators converting a Wesleyan chapel of the trust. The centre proposal n the Isles of Sellly to a visitor s in line with the recommen dations of the major development report for the islands y Poynton Bradbury Assoproduced by Graham Moss iates for the Environmental

Associates in 1984. Next stop in the royal review of community architecture work hrings in that managain — Rod Hackney. Prince Charles will be visiting Hackney's the redundant, listed chapel in scheme for the Weaver's Triangle area in Burnley next The local nuthority owns the

By Lewis Blackwell

building, and wants to demolish

t to make way for housing. Hut

following royal support for the

scheme to convert the building

to a visitor centre, workshops,

luboratory and offices for the

trust, the council has agreed to

This stoy of execution will

give the trust time to find ways of

roising about £150,000 funds

Prince Charles' support will

The developers say their

seheme, whielt would link three

streets, provide room for ex-

panded stores, a covered market

and 45 shops, would provide 500

permanent jobs, plus 750 build-

ng industry jobs during con-

Arrowcroft's Nichaolas Hai

ssid there was a limit to how long

the company could afford to

continue with the scheme, whiel

it has been working on for six

It could be weeks rather than

months before a final decision

would have to be taken, he said.

ALDO van Eyek will give the

1986 Tanner lectures in Cam-

bridge next week on the theme of

'the medicine of reciprocity".

They will be followed on

Wednesday by a seminar, fea-turing Colin SI John Wilson, Joseph Rykwert, Irwin Altman,

Herman Herizberger, Fran-cesco Pelliazzi and Amoa Rap-

oport are available from Liz Scott (0223) 332 360,

sile for the showroom had been

found in Camdan, and the council

was prapared to support the

Van Eyck

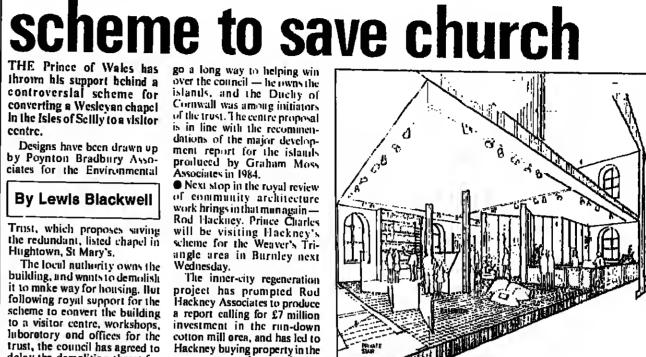
lectures

delay the demolition threat for

at least six months.

Hughtown, St Mary's.

The inner-city regeneration project has prompted Rod Hackney Associates to produce a report calling for £7 million investment in the run-down cotton mill orea, and has led to Hackney buying property in the area as a catalyst to further development.



Prince backs controversial to close?

BOTH of the Town & Country Planning Association's plan-ning aid units could soon be shot

down through lack of funds. The London Planning Aid Service, a community orientated planning advice unit, used to receive most of its funding from the Greater London Couned and is now incertain of its

The National Planning Aid Unit has just completed a three-year project building up a network of breat planning

It is seeking further funding to carry on its work and has applied to the Dolf for help, hut s pessionstre about the outcome. The London Planning Aid Service has just published its fifth community manual, Resist-

ing the wreckers The booklet gives guidance to groups fighting against local authorities or developers wishing to "destroy communities" by demolition.

BRICKS BLOCKS AND PAVIORS



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Material density 1.342kg/m².
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centre by guaranteeing a loan, secondary insulation are sufficient to must the "U" value of 0.6w/m?"C. along with a major store group.
"This centre is the first stap in Will meet the demand to satisfy requirements of sound transmission in something that we hopo will grow," he said.
"Wa- are a commercial business - the designers are a co-op eveal and coursing looking to promote its products blocks to sull ax-stock. In that respect we are gult

different from organisations like the Design Council or the Society of Industrial Artists & Designers. "We are limiting outselves to 80 members at present, whose work will go on show in the centre. gram are among the backers.

1DF spokesman Danial Englander told BD that a possible injerior furnishings base."

Consolite Fair-Faced Masorry Dense Concrete Forge crete Cal. Silicate
Blocks (high density)
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bearing and sound for all applications. ACBA

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60mm, or 200mm × 100mm × 80mm. Colours: Red, Grey, Bull, con ba supplied for line markings.) Compression strength All paying blocks are accordance with the Idelines published in Specification for Precas

Concrete Paving Blocks oublished jointly by the Association, the Count curveyora Society and the Interlocking Paying Association.

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criticism of their own heavy

involvement in the new develop-

ments — currently Rock Town-

send are architects for two

council schemes and three

"I suppose some people might

developer projects in Witre.

see that we are doing a lot in Ware, and hold it against our

planning role," said Rock.

Some developers thought we

had become a further planning

But the positive value of the

practice's work in devising a

plan, and then helping foster initialives and linking them

together, has clearly succeeded with the people of Ware.

hurdle to their proposals."

BSC says demand will drop

will drop by about 6 percent this year, says the British Steel

cates that last year's 8 per cent rise in use of structural steel will not be repeated, because of a decline in the amount of private industrial and agricultural building this year, of which more than 80 per cent uses steel Struetures.

Last year steel took over from concrete as the market leader in multi-storey construction.

Fires in

AN nil-tlay seminar on smoke and fire problems in arriums will he held at Edinburgh University

Speakers include engineers Graham Hnnsell of Colt International and Margaret Law of Ove Arup, and Ken Cockman who was deputy head of the Greater London Council'a building regulatory division.

There will also be case studies on the Princes Square and St Enoch's Square developments

The seminar costs £50. Details from Mrs E Field, 031-667 1011 (ext 6742, 6702).

Walsall plan

LESLIE Jones & Pariners are architects for the £5 million redevelopment of Walsnij's Old Square shopping centre.

The 1960s precinct will be glass roofed and tiled to form an aireonditioned mall, and 33 shop units totalling 5,670sq m will receive a facelift. Work begins next month with com-pletion tlue in early 1987.

Palace probe

MAINTENANCE, fire precautions and fire fighting will be examined by the inquiry into the Easter fire at Hampton Court Palace. Investigations so far au agest the fire was only noticed after falling plaster triggered off a burglar alarm on the ftoor below the origin of the blaze.

Aalto lecture

JUSSI Rantsi, a researcher at the ministry of the environment in Helsinki, will deliver a lecture on Alvar Asito's Urban Plan 1940-70 at the RIBA on April 22. It starts at 6.15pm. Admission is £1 for members and students,

going ahead.

After four years af questions

Chase Manhattan has been appainted financial advisar to dent of lying up the first £150 million of funds in time for a start

injacted into Wanderworld --- a concept originated by former advertising directors Iain Quicke and Gerry Baptist - by the

Too successful — so Ware consultancy

and the increased demand for

housing land spurred by the

development of Stansled air-

David Rock commented: "II

is very frustrating that all the experience might be lost. I

wonder if the councillors really

He said a possible reason for

being dropped was the exemies they may have made in advising

agninsi certain developments

and supporting others.

know wlint the job involved."

ROCK Townsend have been dropped from their pioneering thinks it right to put the same type of effort into other towns." planning consultancy work to But Ware council and conserthe town of Ware in Hertfordvationists believe the town is just entering a new phase of problems, due to industrial decline

East Herts council has deeided that the architects' work has been so successful they should extend it to other towns by appointing a full-time officer in place of the con-

The decision has upset the town council, which now plans to take on Rock Townsend in a new advisory role to continue the proctice's 11-year relationship with Ware (see RD feature, October 25, 1985).

Critics of East Herts' action have attacked the decision to spend £11,000 on employing a new conservation officer, set ogainst a "saving" of the £6,000 per annum fees to Rock Town-

Although the officer's responsibility will include Bishops Stortford, Hertford and Sawbridgeworth, it is unlikely the

By Lewis Blackwell

towns will get the expertise of extent of local understandin acquired by Rock Townsend nor the objective stance of the

"I can see why the other towns wanted something like Ware was getting, but this decision was not the right way of going about providing it, "said Ware's mayor, Mike Tueker.
"We have nrgued and argued

- now we feel we must just try and do something on our own to

keep the good work going."

East Herts planning officer

Robin Beachant snid his councillors faced three options in trying to extend the example of Ware: to draw in new consultanta for the other towns, to widen Rock Townsend's brief,

or to increase their own staff. The last option was by far the cheapest, and was the one they could afford. "It is a compromise," admitted Beocham, "bu we hope to be able to have the staff to give more time to the problem. Certainly we will lose some of the experiese that Rock Townsend have acquired.

"Rock Townsend have been very successful. The town is now a thriving place, and the council

£2 for non-members.

pasal ta build an upmarkel Disneyworld on 400ha of a dereilet steel works alta in Corby, Northamptanshire, laohs closo to

New cash and Ideas have been

Will drop

DEMAND for structural steel will drop by about 6 per cent this

Rock Townsend lose

BDP shopping scheme comes off the ice

BUILDING Design Partnership are architects for a £25 millionde selopment lo East Kilbride that is reputedly the first fall integration of on ice rink loto a shopping centre in the UK.

The Olympio retail/leisure comples hos an ice rink just off the main glazed shopping mail and surrounded by a restauront, cofeteria and a public library. The rink idea is more than just a North American import—It will be used for much of the time for curling.

The rink idea is more than just a North American import — it will be used for much of the time for curling.

Other features of the development are on eight-screen claemo and a snooker club, as well as nearly 15,000sq m of retail space and 1,560 car park spaces.

The architectural concept seems to be Milton Keynes (mirrur glass clodding unifying external elevations), with a dosh of Nick Grim shaw to the fee rink mast structure, not forgetting the many and varied shupping centres BDP have to their credit. BDP Glasgow office is running the job.

Descloper is Ravenseft Properties, a subsidiory of Lond Securities, which will be working with the East Kilbride Desclopment Corporation, which retains the freehold. First phase is due to openin summer 1988, with completion in 1989.



Architects make roby Aquariums make a splash choice for nursery scheme and a splan of the Wonderworld scheme. They were later drop- around 8,000sq nt and will cost about £10 million.

Moyes said this was not the scheme. They were later drop- about £10 million.

Moyes said this was not the scheme and a splan of fish and the scheme all the specified in the final inh.

Leeds architects Wilhiblood Macdonald made the unused day nation of a quaritum for Scolchilding for a men youth club and day nursery, allowing keliand may be held, following a
modelled in a way that more expensive and traditional matchin feasibility study carried out
responsive the conflicting sections, it is designed with the for the Scotiish Development
floor accommodation, with a carriader's flat and commonthing Agency by Nick Grimshow
between them.

At the back of the building the contract to the closed Theorem 2007. At the back of the building the contrast is developed. The most Serge Cherma yeff.

and prince of the building inecontrast is occupied, the amplicating the constraint and it willed garden. With the possibilities. The SDA employed consulare no windows at the back of the youth club, but a hardbalkes, tants. Cooper & Lybrand, who could shall an orabest area on the cost. enst aftle and a project area on the west.

The scheme was commissinged by the YMCA and Leek Cale brought in Group Five —

Seven, Peter Chermayeff's team based in Boston, chosen for their experience in aquarium design. Grimshaw was nlso asked to work up ideas for part of the

The SDA has drawn up a list of possible sites close to the city eentre. The total area will be

The SDA hopes the aquorium will become a national tourist

attraction, but it would be run as

By Amanda Balilleu

a purely commercial venture supported by the private sector. SDA project executive Jim

Moyes said this was no guarnn-tee that they would be chosen for nake the aquarium reelly com-pelling — ant just a load of fish "Ideally we would like tasee a

ldeas that have been sug-Scottish arehitect involved, gested include a waterfull perhaps with unother architect bridges linking different nreas, with nn international reputation. There could be a competiand separate sections sliowing ropical and Scottish fish. tion.'' he said.

But his first priority was to erente un "aquatic experience, not an architectural mister

● Liverpool Development Corpotation also has plans for a nntional aquarium in Liverpool South docks, If the project gets off the ground, the corporation intends to appoint an outside

 Grimshaw's feasibility study for the London Docklands Development Corporation for an aquarium in the Docklands is still being discussed by the corporation.
The scheme could be shelved

because of London Zoo's £2.5 million aquarium improvements, seheduled for comple-

Project a first for Yorkshire

& Partners have drawn up pluns for a massive £50 million shopping and leisure development on the main Leeds oute ring mad.

Outline plans linve been submitted to Leeds County Council by developer the Mountleigh Group, part of the consortium behind the £300 million proposed redevelop-ment of Wentbley Stadium.

Described as Yorkshire's first 'tntal-concept out-of-town development", the scheme includes sports facilities, a hotel and multi-screen einema. Marks & Spencer and Asdr

are supporting the project with plans for superstores of 13,500sq m and 10,800sq m

The superstores will be con nected by a central mall and food hall. There will be car parking for 3,000 cars and a new

Podium proposals get DoE backing

posed by the Georgian Group were given the go-shead by environment sccretary Kenneth Baker Inst week.

He announced he would not be calling in a £9 million shopping scheme planned by Grosvenor Square Properties, and later approved proposals for the Podium site by joint developers Marples Ridgewny and the eity council.

The Georgian Group lead objected to the Grosvenor plan for Bath Street, calling for a public inquiry and making its own proposals.
The Rolfe Judd Group Prnc-

tice design involved the restoration of n Gratle Histed Georginn building and the domolition of later neighbouring properties.

A spokesum for the developers and work would begin next month, with complotion

In a moro successful eampaign, the conservation group and office development designed for the Podium site by Atkins Sheppard Fidler &

The scheme was blocked in August when the developers were sold DoE approval would be required and despite sub-sequent revisions to the plans it had not been granted.

Finally, Donald Insall was brought in to revive the design. He helped produce proposals largely acceptable to the Georgian Group.

Two weeks after it withdresv its objections, Baker approved the development.

Quake aid

DETAILS of a sophisticated carthquake simulator developed at Bristol University were revealed to the Institution of Civil Engineers this week, The backed by the Science & Engineering Research Council to develop quake-resistant bulid-

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Wonderworld plan set for go-ahead

about whethar the immense project would get the £250 million funding required, the dayalopars claim to be in sight of a successful

Wonderworld ple, and is confion sita this summer.

developer Brent Walker taking a 20 per cent stake. Company chairman and former boxer

includes 13 different areas and alms to be mora educational than existing thema parks, or the

designed golf course, hotels, luxury villas, a sports stachum and advanced transport facilities

George Walker has joined the Walling in the wings if the scheme does go ahead is a huge cast af leading designers and other experts who have given their advice and name to the project. Darak Walker is the masterplanner of the theme park, which

Disney parks.

Besides the theme park, thera will also be a Jack Nicklausincluding a naw station and spur

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advaninge of the Big Bung

possibilities for the financial

The complex will also provide

more than 2,000sq m of shops, a

livery hall, a Oarbienn infor-

mation centre, seven four-storey

houses and extensive land-

morkets.

Rise and rise of Terry Farrell Scheme pull board faces some erucial decisions in the next few months. Since Hollamby's departure last a ulunin—al the same time as major discussions of the outline design of the massive Cansry wharf office tower scheme were WITH the unveiling of his proposals for bridging over up to 17 storeys (the same height as Lee House). Some low-level development is geared to taking ing proposal — but meanwhile 50,000sq m gross onto s site that

London Wall In the City, Terry Farrell's rise to the top of the tree in architectural and commercial design terms Seerus assured

His massive scheme for MEPC - Britain's second largest developer - is understood to have the backing of City planners, has aroused little objection and some support from neighbonring Oarbican

ship as part of a programme to

Enter 13 ON EXPRESS

altract n higher profile for its

is mainly occupied by Lee House, an empty sub-Miesian early 1960s office block, the scheme proposes to tackle seriously the community and environmental problems of the

Farrell sees it as trying to "humonise" the London Wall

which looks at urban life, urban

design and the technological

area, involving a covered shopping precinct nlong a new pedestrian way passing from the City at Wren's St Alban's Tower

residenta, and acems certain to altract funding.

City at Wien's Statuting 5 Tower to the Bribican. Above the retail space rises flexible office space with 4.5m slab to slab. Such

offices on floors ranging from less than 1,000sq m to 3,000sq m Urban group's influence grows

was shown by the DoE now consulting it on Issues such as colours and texture. relevant White Papers and draft

circulars. Membership costs £6, details from Tibbalds, 39 Chering Cross Road, London WC2. two other bridging schemes by different developers and architeets are being drawn up for Landon Wall in the wake of the City plunuers' new policies.

And, nearby, Sheppard Robson have a scheme for redoing Shelley House site, while Wimpey has an architect planning to stack even more on the Little Britain site than the notorious abundoned Fitzray Ruhinsun scheme.

But the prime site in the area is perhaps St Alphage House, a building of similar vintage to Lee House, but on a much larger aite, elenrly under-developed in terms of energel thinking, and



proposal is due to go at

proposals for revivingles

ambeth planaers bezit

encled the mouthforputate

to knock down some di

elevated wilkways and loo-

This is the first pane

new landscaping.

An application #3p1



Greycoat urges inquiry into rival plan

DEVELOPER Greycoal Group, scourge of conservationists in ballies such as Coin Street, has joined a local pressure group in domanding an inquiry into a rival scheme for Wimbladon Town Cenire, II has proposed a Terry Farrell-designed "incremental"

Merton council has declared its intention to give permission to Speyhawk and Bullding Design Partnership's 31,500sq m seheme for the former lown hall site, but on a major project it is subject to a direction by the secretary of state.

The indications are that Kenneth Baker will allow the scheme to proceed when bis 21-day direction period has clapsed, by the end of this

Speyhawk is confident that his scheme meels the necessary planning criteria and is acceptable to local people.

Greycoal, meanwhile, wants the Speyhawk scheme to go through a public inquiry and has been campaigning with a local planning action group to that end, Residents have been canvassed to write to the secretary of state demanding the inquiry ao that "all the

opilons" can be giren "a proper airing 25% consideration".

The Greycoal-Farrell option is for 12 across the rond from the Speyhark sole lo be followed eventually by anencement aeross the Wimbledoo railway lies incorporating a station. Speyhark and has a stailon-site scheme awaiting i ngulry verdiet.

Greyeoat claims the Speyhawk pro are not, in the end, as comprehen own sebeme. That is despite the con elements incorporated in Farrel's plan

100 apply LDDC sorts through to replace Hollamby plans to regenerate

the area.

Developer Rosehaugh Stan-

hope led the way with a slide

presentation of designs by Chris

for what is described as a

'substantial", development in

The company declined to give

details of the seheme prior to its

appearance before the LDDC.

but it is widely thought to

involve a shopping complex of some 135,000sq m with a busi-

ness park on the north bank of

The Albert Dock and some 25 heetares of housing as a later

Rosehaugh Stanhope's slide show of "eoneepts" will be

followed by a similar presenta-

tion from VOM/Laing/Swab

Fox, who have plans for 32ha on

the north side of Victoria Dock

ARCHITECT Philip Pank's first one-man show of paintings

and pastel drawings ends or

Sunday. Mainly figures and land-

seapes done in a bold Ex-

pressionist style, the show is at the Holland Gallery, Portland

Road, London WII.

Petition opposes

Pank show

desolate North Woolwich.

Wilkinson and Fletcher Priest

planning snd design.

planning and design.
It is understood the Loodon
Docklands Development Corporation will be making its decision within a month, after interviewing 30 of the applicants, and then further interviews with a final shortlist.

The post has a base salary of £28.000 - bot the corporation probably will be prepared to pay considerably more to get the right It is understood that the LDDC

chairmon, Christopher Benson of MEPC, is dissppointed that one of the lesding Greater London Council architeets did not apply. This is believed to be Dr John Parker, head of the GLC's

central aren team, now a partner in the new Greater London Consultants. They hope to get work from the LDDC, among

Benson will be keen to get s alrong-minded architect/planner of the highest calibre, because the board faces some crucial de-

Wharf office tower scheme were tsking pisce — the LDDC has been without a chief design YET another Teny fe

This has meanl even more power being located with chief executive Reg Ward.

planuers before the ends month -- the first phasel Ward will be leading the interviewing of applicants, but will be joined by board members Andrew Derbyshire of RMJM, former DoE permanent secretary Sir John Garliek, and Wyndham Thomas, chairman of Inner Clly

the derelict Royals centre of London.

velopmeni Corporation yesterday saw the first of a series The centrepiece of the consortium's scheme is London Dome, of major proposals for the a sports stadium venture. derellet Royal Docks, the The VOM/Laing/Swab Fox consortium's decision to make prelude lo cruelal board decisions on how to regenerate

By John Morrish

public its plans before they were presented either to the LDDC or Newham council seems to have caused the corporation some

The other schemes have been kept secret by the LDDC's request.
But it has emerged that the

space in a mixed-use development including retail and office space. It goes to the LDDC or

David Lock of Conran Ruche commented: "The LDDC ore considering a whule hatch of schemes an different days. There are several rather important strategic decisions for them lo make.

"There's s limit to how much retailing the area csn accommodste, and they are going to have to decide what should go



Militoo Keynes Development Corpor-ation's 90m vertical feature could

The tower is intended to stand a the centre of the new Central Business Exchange. Two mirror glass-clad

Education study findings

A STUDY of 289 companies reveals that only 29 per cent of designers employed in manufac-turing and engineering have a degree or higher national dip-

This compares with 77 per cent of designers in electronics and more than half those employed in fashion and tex-

The report, for the Business & Technician Education Council, urges closer links between industry and education.

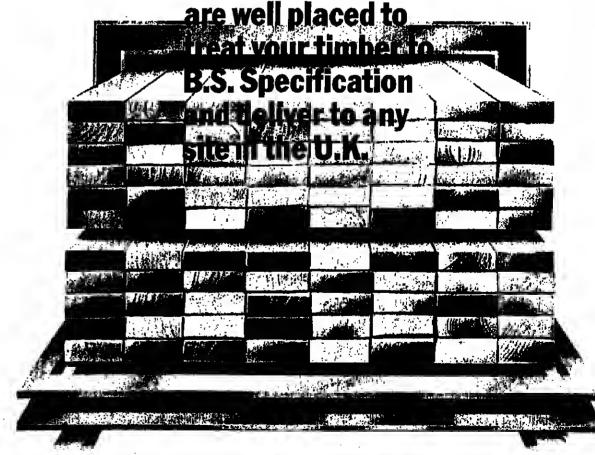
Employers want new techhology to be taught more thoroughly and to include more "bands-on" experience.

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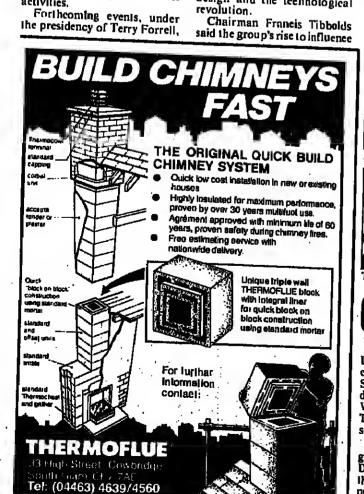
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ON EXPRESS



THE Urban Design Group is include a conference on June 26

looking to double its member- called "White Collar Factories",

housing is also proposed, helping to improve the ground level of Monkwell Square, which the architect wants to moke more By Lewis Blackwell

the traditional London square "surrounded by front doors". The Albangate scheme will provide about 30,000sq m of

scaping and paving. The whole development cost is put at £65 Similarities enn be seen with

Farrell's other recently unveiled scheme for bridging over the tracks at Charing Cross station. Besides the use of atriums and glazing in the elevations to help brenk the mass up, the proposal involves facing with stone — probably groute — of differing

The practice is also working on a study for the site of Moor House, a similar block to Lee House further along London Wall. Site constraints mean this

ambitions scheme (see October 11, 1985) produce the South Bank board proposition for bringing w the urts complex and a

> seeking massive public support for their petition aimed at stopping the £70 million Seifert scheme for Limehouse Basin, The petition by the Limehouse Development Group proposes an alternative scheme and asks several public figures, including Ted Hollamby, Larry Rolland and the Social Demoerotic leader and Limehouse

resident David Owen, to do anything you can to help us averi a local and national tragedy". The British Walerweys Board plans for luxury housing and. during a lengthy public inquiry

last year. At the inquiry the Government inspector urged that planning permission be refused. But the inspector's decision was overruled by Patrick Jenkin during his last week in office in

The evidence against Seifert's proposals for developer Hunt-ing Gatesaid the scheme would: not integrate with the surrounding area:

sacrifice the historic character of the Limehouse area and special nature of the basin: • reduce the size and availability of the water resources;

 disregard parking policies.
 The scheme waaalso critleised by architect Richard MacCormac, who said it was "a fragmentary design' which looked more like a Mediterranean I community.

Group plana to set up a apecial bodies, including the London Docklanda Development Corporation and Tower Hamlets The trust would set like

mini-development corporation selling and leasing sites to a wide range of developera and attracting loans from public, private and charity aources Building would be phased over several years starting will

The petition says there is no evidence that a mixed develop ment of housing, shopping and community facilities "would be any less profitable for the British Waterways Board than the Seifert scheme

"All the indications are that I would be financially more secure," he sald.

Southwark appeals

SOUTHWARK council is appealing to the High Court after the DoE rejected the North Southwark Plan. The council says that without the plan which look three years to produce, il cannol ensure the future of the North Southwark

DAVID Davies is a man at least £700,000 of that sum looking towards the future going towards the group's - he sees the sale of 25 per cent of the shares of his compony through the USM ns the best way forward for

He hopes the flotation will raise more than £t million with

expansion and the introduction of new computer technology.

The company aircady lias £300,000 invested in computer aided drawing equipment but wints to expand the RUCAPS system it used to link its central office with the Gatwick airport

Times change and we change with them

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site office when working on the etc, are available at the flick of a £67 million Terminal 3 eoa- switch.

Rather than build up new This would give DY Davies offices, the firm prefers to the facility to cover the whole "absorb" and combine with country and give amall site smaller existing practices. It offices the back-up of the head recently combined with Gilbert office where the company lib-Scott, Sir Gilea Scott, Son & rary, technical information Partners and Dobby Foard. departments, accounts section, There are plans to take other

professions under the DY Dnyies wing in addition to its existing architecturot, quantity surveying, town planning and environmental services groups, but Davies is not giving any details awny. He does say that he is looking at interior design, structurnlengincering and landscape nrchitecture us possi-

As main shareholder in the company, Davies could, on paper, become a very wealthy inan after April 24, when the market will start trading in his company. The 140 stuff of the company could also benefit with a nn-loss share option scheme.

Davies' confidence comes hot on the licels of Fitch & Co's good showing in their recent flota-

"But we should do better," Davies said. "We'll certainly be wntched very closely by one or two other practices thinking nbout going on the stock market to see just how successful we

Being the tirst to go publichus its mivantages and disadvantages. It's an unknown path to trend but the rewards are greater and it shows a certain amount of finneial nouse that should mpress potential clients.

Davies helieves it is titte to rove that architects do not lude heir heads in the clouds mul can He claims the profession is sing out to designers, interior

hampside office development at Kingston.

design companies and surbecause architects have hidehound by profer-rules. The relatively a constitutional relaxations Portland Place have page way for architects to b grenter stake in the come side of the industry.

"We are now enterta competitive market andu tion on the USM is then raise the necessary capa allow us to expand and:

have the three-yeartradis

of growth and consolis

that the USM deman!

Davies has, "We've down

we might as well capitaline

siluulum " Davies said

will tail, some will be about

turefront of those absort

smaller firms.

t computer drawing of DY Davies Associates design for a 15 million levelopment at Chancellors Wharf in Hammersmith.

At £150,000, plus aloud and effort, going publicis cheap or easy exercise, ke seen as a good investmen Davies has stolen a kale

other larger practics st improve the quality of life in the turnover exceeding his Re lien a year, by seing. opportunity when it press The fast three years be: been good for archiel generally and many first

called "improvements" (which include creating balcony deck



Above and below: No need to shun publicity; Hackoey's mayor welco-prince to the opening of Las Yiew House, watched by local people



parents who ar



boya) site menager Tarsem Singh. Right; architect John Thompson.

Stepping into the limelight

Infill

SO the RIBA's director of public affairs, David Atwell, thinks "architects in the public sector have been quietly practising their own form of community architecture for generations"

My photographs show the Prince of Wales visiting the Lea View estate in Hackney, the first renovation of a large, highdensity estate in this country where council tenants have been fully and effectively involved.

tts success is now well known and the unique combination of

and take on our eaucracy;

 architeets prepared to help them do so and involve them imaginatively in the design

a supportive council.

Elsewhere the same day, the prince saw a similar estate undergoing renovation in the manner traditional throughout the country for decades. There were no tenants to greet HRH since their only involvement was receiving a tetter entitled Tenants Consultation from the director of community services After briefly setting out details of the proposed improvements, the tetter stated: "I feel sure you will agree that these works will

As for the tenants' own quality of life: "All the tenanta will be offered transfera to alternative accommodation' (not promised, or as it turned out, "in the arca").

On seeing this council's so-



Nick Wates

access where none existed) in progress, Dr Alice Coleman

commented that they were "a

A community worker said

attempts by tenants to renovate

estates in the area in Lea View

style were opposed by the

council's architecta on the

grounds that they might not get

the work (quite probably, aince

the tenanta would choose archi-

This cannot be what Atwell

means when he refers to public

sector architects "quietly prac-

tising their own form of com-

munity architecture", but what

does he mean? People often have

very good reasons for practising

teets they had confidence in),

complete waste of money".





Planning for shopping

THE controversy over proposed housing development in the green belt is only the latest example of the continuing debate on the role of planning, about which most people have mildly schizophrenic attitudes. We want planning to protect what we've got, but if we want something which planners are stopping us from having, then we suddenly see them as a red-tape-ridden bureaucratic menace. Generally speaking, property developers have been as ambivalent about their attitude as the rest of the public. While every developer has a horror story about planners (and vice-versa), it is also the ease that the planning framework allows the able developer to take advantage of whatever leeway there may be, and to do so secure in the knowledge that the system incorporates restrictions which lead to high returns for those who obtain

There are examples, however, where the property industry is increasingly coming to the view that planning is a good thing. One is shopping centre develop-

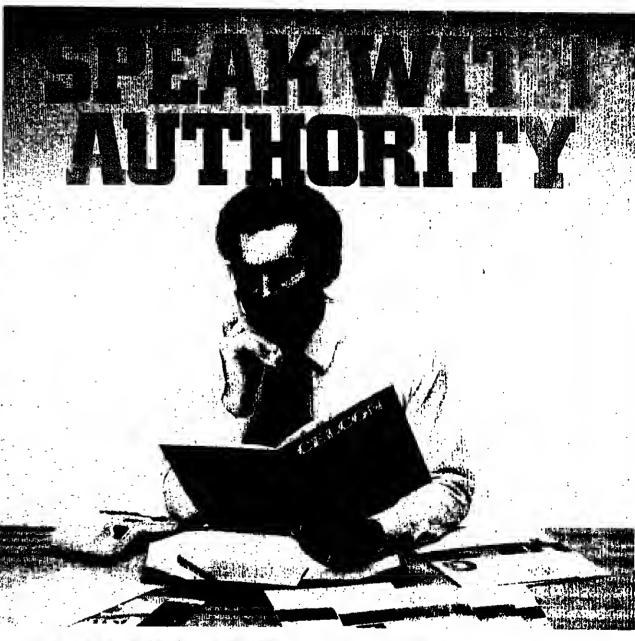
conference in The Hague this week attended by more than 700 delegates. (300 of them from Britain and a good proportion of those comprising British architects). The conference chairman. developer Julian Markbam, launehed a strong attack on the random spread of retall development in the UK, achieved by the opportunistic seeking of planning permissions for industrial and warehouse and which then evolve into haphazard cenires. Markham applauded the planning policies of Paris, which designated a series of out-of-town regional centres surrounding the city. This had the effect not only of promoting new development, but also, through a strong planning policy, protected the centre; Tesco, a major innerelty retailer, has made n similar point (see page 2).

ironically, one of the themes of the conference, the growth in the "specialshopping centre, may have little relevance for the deprived inner areas, which need good retailing if they are to be

The Editor's Comment

truly revived. For in the UK, the sorts of centre which encourage the individual trader rather than the multiple, involve "themes" and entertainment as well as shopping, and which have a high proportion of restaurants, bars and so on. are precisely those which poor areas cannot sustain.

Happily, even if "speciality" centres are unlikely to become a feature of every town and elty, a general improvement in the quality of oider existing centres is very much on the cards. This was proved by the refurbishment award given by the International Council of Sliopping Centres to the Prudential and Leslie Jones & Partners for their remodelling of one of those retall design symbols we ore trying to forget - an Arndole Centre.



Take the new Bullding Regulations. The Building Control Officers and Approved Inapectors have been studying these for some time; they are the authority. Bound to be one up on you when it comes to the nitty pritts

choose to meet those regulations. It's the same as the old by e laws. They were in one typeface, the 'deemed to satisfy' provisions were in another and therefore not binding. Any previously approved Celcon form of construction will meet the require-

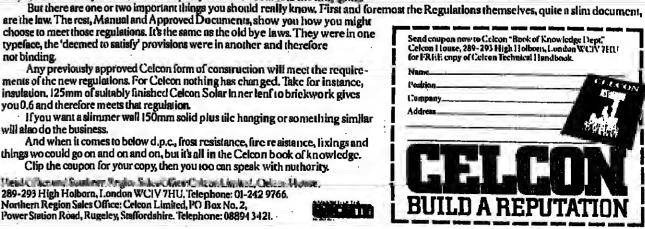
ments of the new regulations. For Celcon nothing has chan ged. Take for instance, insulation, 125mm of suitably finished Celcon Solar in ner lenf to brickwork gives you 0.6 and therefore meets that regulation. If you want a slimmer wall 150mm solid plus tile hanging or something similar

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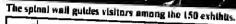
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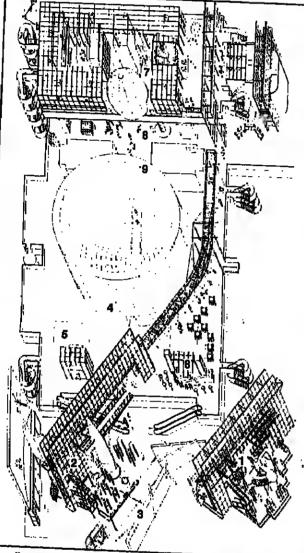
will also do the business.



The exhibition for these changing times Enter 8 ON EXPRESS ENQUIRY CARD

Enter 9 ON EXPRESS ENQUIRY CARD





Three-dimensional diagram showing the Conversystem linking the north and south galleries. (Ocean. 2 Space. 3 Precious Earth. 4 Planetarium. 5 Bookshop 6 Bar. 7 Laboratories of the Universe. 8 The Earth and the Universe.

Space explorers of La Villette

museum of science and industry at La Villette, designed by British architects Mike Dowd and Alan Stanion, opened last month in time to celebrate the European space probe Giollo's rendezvous with Halley's Comei.

Commissioned by the French ministry of industry, the 55ha site on the outskirts of Paris will become a cultural complex without precedent. The site once housed a vast abattoir which has been completely "re-architectured" by French architect Adrien Fainsilber, who masterminded designs for the whole of La Villette.

The complex is divided into four main zones: the City of Science and Industry to the north; the City of Music to the south; the Grande Halle — a multi-purpose exposi-tion and entertainments venue which opened last year — and parkland inter-spersed with "folies".

The City of Science and Industry is designed to give France the museum of industry and technology it has never had. It is four times the size of the Centre Pompidou and three to six million visitors are expected each year. Like Beaubourg, the city both is, and is not, a museum. Both speak an industrial hi-tech architectural language communicating more with the future than the past and many of the same people have been involved with each project. Among these are engineer Peter Rice of Ove Arup & Partners, who worked with Fainsilber on the glazed domes of the museum roof, and Dowd & Stanton.

Their design, chosen from a competition n July 1984, caters for just five of the 20 themes in the science museum, within an 8,000sq m area. Organised in a permanent

exhibition - "From the Earth to the Universe, a glimpse of tomorrow" - Dowd & Stanton's scheme had to allow for both traditional museum presentation recliniques and "nantipulations" to encourage the public in learn about science and technology by touching and operating the

The brief impused strict constraints The architects had in create a contemporary design to reflect and define the whole exhibition, while recognising its discrete elements; the hastile environments of caran and space, natronomy and astrophysics, climathingy and geology, and matthe-matics. They had to allow exhibits to be changed and updated easily and for one of shows in bemannied. And Down & Stanton were faced with the common central entrance and a circular planetarman as level design limitations, Finally, their design had to harmonise with Painsiber's concept

Since Fainsilber and those responsible for fitting out the building worked without ever meeting, style was clearly defined in a "design charter". It was never intended as a doctrine, but us a dinlogue for the teaths to respond to — and the solutions presented by the four main sections have been diverse. It included guidelines on access, lighting and noise levels, unil chaice of materials

Dowd & Stanton's response to Fam-ailber's shell was to link the north and south galleries — a space of 100m by 65m will a height of 18m in the Snuth Gallery behind the planetarium. Double spine walls, using the La Villette Canva display and support system, divide the space into open and closed exhibition nreas. As well as providing a leading rein to guide the sitors, these walls frame or provide a backdrop for the 150 exhibits.

transcriber was no nersus the neven fone.

the central spinal wall stion to repair the fire damage at gallettes is a large sign display Hamptoo Court Palace, will not the faith over the year be amused...

exhibits -- mathematic, gissing strong on the morporate Special displays within controlled as pleading The spine-walls have a siede mezzamnes, staircases and ale

Lundes to clarify and separate war you need, a speciality Stretched Labric has been need. cilings to could light and pothe vital servicing

Lamsilber's vision. Nothing E walls or cerbuge of his convented RIBA v RIBA building expressing their over

Architecto: Michael Bood and 162 accisted in Guillerma Bieland Band anni-Nophie LeCurpeniur. Cabina tions to become the next president of the International Union of Architects are being thus and

Scorpio

Royals hit by 'Grand **Buildings' syndrome**

KENSINGTON Palace is not to have a new pair of entrance gates and police sentry box designed by the Prince's favourite architect, Ted Cullinan, after all.

Designs were carried out, but n keeping with Cullinan's | the council in substantial form, mmunity architecture apthe Duke of Gloucester and ther notables, as well as Charles and Di —was consulted

co op partner Tony Peake. Alas, when the consultation rocess was completed two onths' ago, the decision was aken to commission replica les, so exil Cullinan.

Michael Manser, recently Going rate for Evendance lobbying for a hi-tech solu-

distinct the spines form to be another example of attention the marchadeloss. "Grand Buildings" syndrome: phenomena. The Neath Callery has the approaching a new idea.

pertorated untal. Other speed MUCH talk in The Hague, at the are built at sivel and the time ping. Control Council of Shop-Converted points.

It cause of the completing shopping centre. One is that a and then entermous scope, but conventional centre gives you ping Centres conference, on

backdrap for some of these quite amusing, coming from a display. Varying height flows country which can acarcely the spine walls and collags on differentiate between needs and This American definition i Down! & Stanton's £9.5 m², another comment on the apend-does refer to the city "her ing power of older citizens: "Life elements such as the displaying begins when the kids have left some respects it isolation; home and the dog'a died."

over UIA bid

of Architects are being thwarted by the RIBA, has received surprise backing - from the

The UIA subcommittee of the institute's overseas affairs committee (are you following this?) has declared its unambiguous, total and spontaneous support for the architect in his bid. One member declared at its recent g: "What the hell does the RIBA think it's up to?"

Now Larry Rolland is to get an official delegation from the sub-committee to present its views, and be asked for some explanation of the institute's

Moveable gains

HACKNEY council is driving a hard bargain over the planoing gain it is extracting from developer Rosehaugh Stanhope over the massive Broadgate development on the edge of the City of London.

At a planned 3 million sq ftplus, this project would normally Produce planning gain for Building Design, April 23, 1976

and it is true that there is some proposed for the site, such as the Rockefeller Centre-style ice

But Hackney would really be more interested to sec benefits in a different part of the borough. So how to set up this moveable planning gain? Well, it's a lot impler to think of a number than to think up a series of

about £2.50 per sq ft, so rumour has it. Hackney may be loony left, but it is no slouch at negotiating just like a property

Scene and heard

WEEPING and gnashing of teeth were witnessed at Portland Place following my disclosure of the invitation extended to Prince Charles, by president Larry Rolland, to speak at his community architecture conference in the autumn.

As readers will have noted from 3D's front page has week, the real conference is being organised by Community Architecture Groupvice-chairman Jim Sneddon, in a private capacity, on behalf of the National Community Aid Fund. Now the organisers are waiting for the sequel, President Strikes Back". But what form will it take?

 THERE is a joke among the fellow BBC producers of Peter Adam, maker of the "Architec ture at the Crossroads" series about his particular style of presentation. Television is, of course, the medium of moving pictures, but Adam has a longstablished motto apparently which is: "If it's static, shoot it

Explanations for the puerli acript read out by "Fawity Towers" waiter Manuel, nitas Andrew Sachs, have not been orthcoming, however.

• THE hunt is on for the National Gallery extension Asports are reaching me that there was no scheme as such, jus a presentation of his method of approach - including plans for a grand staircase leading the entrance.

This will come as something of a shock for all the other ably more than their £10,000 honorarium preparing detailed plans and models.

10 years ago

THE fight to keep a mandator fee scale for architects takes a step further as the RIBA preaents its full case to the Monopolies Commission. More than £20,000 is being devoted to the defence of the scale. Monoppolies steering group chalrman Andrew Derbyshire said scales were vital to quality of aervice in





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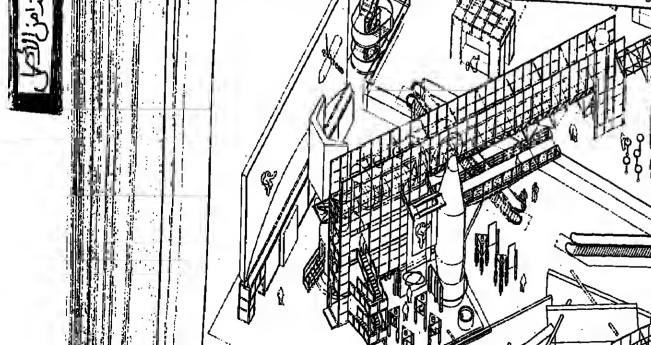
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PEDESTRIAN ACCESS CONTROL

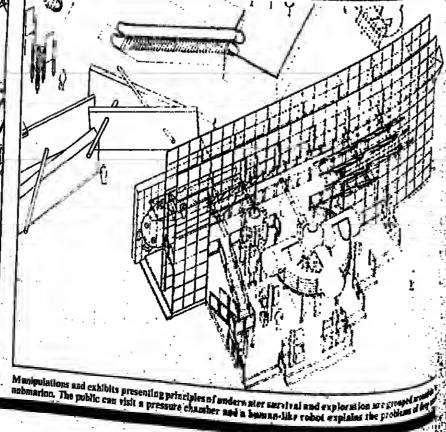
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The main spine-wall gives access and support to the Ariane rocket and a full-scale mack-up of the orbiting space station.



RIBA's reversal over apartheid

Fram Abe Haycem
THE RIBA's encouraging dearchitecture taken last February was put into reverse gear on March 26 by allowing those already on the course to continue lo obtain RIBA stalus. This belittles and dilutes the

effectiveness of the decision and indicates the RIBA establishment's resistance to a firm at and against apartheid, because of its obvious interests in South Africa. Since architecta are so bound up with society in their work, they cannot relinquish their responsibility on important human and moral issues, throw up their hands in horror and cry "Politics!"

The RIBA cannot presend that recognising mainly white students and architects who operate in an openly faseist and raeist country is not "political" or that maintaining links is helping liberal and "anti- | ting and resisting the iniquitous | favour of the boycott of South | to atudenta of the Solom

architects have for years proeision to withdraw recognition | fited from the apartheid system of South African schools of and, in fact, it is by boycotting their institutions that real change will be brought about. They will always be in a privileged position, links or not. The blacks must be listened to in this case, for they are the injured party, and they eall for sanctions to aid their fight against apar-

> The RIBA appears more concerned not to be "vindictive" to the existing 96 per cent white student body in the universities by immediate eutting of recognition, forgetting that this cocka a snook at the majority black student body who are fneing the most harrowing tribulotions in their fight for equality in their own country. They suffer the utmost brutality, arrests, detentions, torture and indiacriminate shootings of even the youngest toddlers in boycot-

> > Contractor's Claims: As Architect's

Solde by David Chappell. Explains

how to avoid attuations which give rise

in contractor's claims for delays or

expenses, and how to deal with them

9. Manual of Graphic Techniques 4 by Tom Porter and Suc Goodman. The

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drawings to show every aspect of

evelopment and presentation of plans

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rom interiors to elevations, site sec-

when they do artse. Price £15.35.

No more, as used to be

claimed by the proponents of links, is there any illusion that dialogue is useful or that the white regime wishes to change apartheid. The violence has escalated to a daily slaughter of blacks. Any responsible individual or institution with South African connections, as the RIBA has in a big way, must take mmediate action to end them, to help bring about a free South Africa and the total abolition of apartheid. Everything must be done, especially by the West, to end this vile regime now and not in 20, 30 or 100 years. A total boyeott is the first step, as urged by the banned African National Congress, who were forced to take violent action after gen-

erations of peaceful persuasion produced no change. The RIBA, while listening to South African architects at previous debates, has refused to hear the arguments put by experts from the other side Although several council members have eloquently put the case for ending links, the council establishment acema reluctant to listen to the real rationale in

education laws. Our concern should be directed at their struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom, let alone a greedy commercial factics of the struggle for freedom. Canary Wharf developers, or bow to Government pressure to cut down on schools here. Their interest in the underprivileged is purely eoincidental.

RIBA members should not accept these sorts of decisions and should recall the council to implement derecognition now. and also call for the withdraws of all connections with South Africa until a truly free multiracial, apartheid-free society with one man, one vote established.

It is a wonder how South Africaever became a member of the UIA, due to its blatant contravention of the UIA Charter. The RIBA should press for the exclusion of South Africa from the next UIA conference in Brighton, and encourage British arehitectural firms to elose down their operations in South Africa, Furthermore, architects in this country about boycott firms and products of the building industry linked with South Africa, thus adding to the pressure for full economic

agnetions. Better atill, to help in the education field, the RIBA could offer architectural scholarshipa

7. Design Liability in the Construct

Industry (Second edition) by D. L. Cornes, Includes extensive new material on the law of professional

negligence including the latest cases after Pirelli. Price £19.00.

I didn't quite realise how rife he "Chez Moi" mentality was n the profession until I received n the post this week the Personal Statements of Notional Candidates for the 1986-87 RIBA Council", with its list of addresses containing such neat, upmarket names as "The Stnbles", "The Orchard", "The Springs", "Pine Cottage" and

'Waterside".

vicious regimennd are abtaining

an education they enunot have

n South Africat, to prepare them

for participation in a liberated

South Africa when they return,

These scholarships should be for

study at sebools of architecture

in the UK ar any other country

The RIBA con make un

mportant contribution on this

vital issue, and it must not be let

off the hook. It should back up

with action its repented clain

that it abhors strongtheid if i

wants to retnin its eredibility.

'Pine Cottage

MANY of us, no doubt, have

had a patronising giggle at the

expense of those earny enough

o name their homes "Dun

roamin", "The Limes" and the

ike, and there's no reason why

arehitects shouldn't be suscepti-

ole to this little pretensinn.

mentality

From Morio Maestronzi

n the free world.

The potential councillars to our modern and unsentimental Institute assert the need to promote the "public image of the architect"; they demand that architects "bc at the contrepuint of creativity and leadership and the most forward-lonking of all is dear "Pine Collage" proudly proclaiming "n wind no change is binwing and we should be in the vanguard of the

change".
Such boldness contrusts delightfully with the comfy unmes of the condidates' hames. Muybe it was their families who nailed the names over the purch door without them noticing, they being so preoceupical with the thrusling image of nur inalitute.

Mario Maestranzi "Casa Mia" London N10

Offensive II. Architetes Postcards I sets of 6 colour cartages by Louis Hellman. Set 1: Wright, Le Corbusier (twice), Asito,

From Huw Moseley MRTPI THE text which accompanies the "Building Dealgn 100" chart n your Practice Survey (April 11) says "as a first attempt to compile such a list (of practices in order of size) it is bound to eontain imperfections". You go on to say that you consulted 350 praetices - about 7 per cent of UK practices. Come off it BD, the list is not

mperfeet - it's meaningless. You claim to be motivated by unstic curiosity" -- I find hard to understand how a ournal which values its reputation as a market leader in terms of readership can act in such an irresponsibly offensive way to ita reader. We may know that this chart is meaningless - but what kind of impact does your

list have on our clients? Next time, why not wait until you have enough data to make your report as useful as you elaim you intend it to be otherwise people may accuse you of resorting to record-press style gimmickry in order to sell newspapers
Huw Moseley
London SW12
Obviously we didn't opproach the

350 proctices on o rondom basis. As stoted last week, we welcome odditional information which will help produce the second list. Impoct an clients is on unknown,

looked down on for belog to clients pick horses for ten don't have to resort to f mickey, "record press my niherwise. 10 "sell" copies-

Decision shames us a

From Cedric Price THE architectural compe.

hus niways run the miheenming the refuge d; nervitus and indecisit i-With the odvent of Ge Buildings it has expend; current Intuity of the mitturni tendency best deschi "avimenlar" This pathetic decisionen

oll except, possibly, the me urchitects who have obti bluff. I like to thinkt enntribution intentional ical over the sorryststed architecture for which turning a blindeyctothera charlatans and arrivisto, to oll responsible. However, the great ma:

bility rests with ead; every one of the jung "unnimously" selected. Cedrle Price

I Filil. I must write tot. you for publishing the Bit I Inrilen scheme for the & Buildings Cumpetition & 4). It made niy week ile. depressing rending in the vinns issue.

some consplation to know there were imaginalivesd: among the entries. South Clamorgan

From David Randoll, innuediate post president, the Londscope BOB Smyth's letter (March 21)

wasteland

gives the impression of wishing to rate higher the presence of pioneer species on dereliet land than the total impression thesite innkes upon the beholder. This is understandable be-

eause many ty programmes ond much literature on wildlife has a tendency to concentrate the nyman's interest upon the individual species rather than upon the whole scene. In contrast, the landscope architect - the profession Smyth scorns - is trained to see both "the wood and the trees" and to assess the value of what lies nround a raw site for its potential in anew landscape — but not

to be hypnotised by it. I do wonder whether Smyth is whipping boys in his eampaign against the now deceased GLC - whose landscape staff strove so hard to ereote Burgess Park for the benefit of the people of Southwark and Camberwell. well recoil as a student going to County Hall to see Abercrombie's original proposals for London and being amazed to ase a new park proposed for an extensively bombed area not half n mile from where I lived, and wondering how long it might take to overcome local

prejudice against it. I do agree with him over the need to brief landscape management staff on the correct works for sustaining the new generation of nature parks, One longs for a return of permanent staff on each site who have an incentive to charish the partic- i competition (which he had

ular assets of their site -- rathe than the visiting gang booked on works and a bonus scheme, and with little opportunity to uppreciate the designer's in-

tentions unique to each site. Finally, in answer to Smyth's "warning" to the new ground-work trusts, I would only say: fear not! With sound pro fessional guidance I believe they ean quickly acquire the habit of baluncing the need to clear away unsightly features with the need to encourage wildlife habitats to develop. Certainly my ex-perience of the Colne Valley staff supports this hope. David Randall

Burton belittled

From B J Broin, Haward, Fairbairn & Pormers WE refer to a feature article or page 20 of the "Roofing & Cladding Supplement" entitled "Burton brief".

It is claimed in the article that building measuring 30,000sq m floor area, by two double-deeker buses high, is the largest single building in the new town of Milton Keynes.

Back in 1979-80 this partner ship designed and Wimpey Construction UK built a warehouse measuring 490,000sqft by two double-deeker buses (give or take a tyre width or so) Originally constructed for General Motors, the building which is now owned by Mercedes-Benz United Kingdom is situated at Tongwell close to another very large building owned by Volkswagen.

According to our arithmeti he Burton building is considerably smaller than some existing structures.
BJ Brain

Designed for designers

From David Rosea, Pilcher Hershman & Partners, estate

ngaus CONCERNING Chris Bown's article on William Curtia-Green's Chiswiek Power House (March 28), the commercial and office element, la being apecifically constructed with lesigners and architects in mind Should any of these people require further informatio auch aa floora nreaa, terms etc, suggest they contact me on 01-486 5256. David H Rosen

From Vernon T Steam

EROS' reinatatement in Pie eadilly Circua has been reported as completely succeasful. present an alternative story, which I hope your readers will recogniae as true.

It was told me by an architecture student with whom I struck up a conversation in the railway morning. I had just loat £500 at a casino; when I win I go home by taxi; when I lose I go by train. He was going to Scotland to deliver an architecturol competition

His story concerned another

Letters

The conditions had been degrading to the entraits; for example, the second prize was only as much as I had nist bist: nevertheless, since they cared thought to be the work of how the site was developed, they desperately wanted to enter and

Battling with the hriel, they recognised a familiar problem: the budget was insufficient to build what was wanted, letalone to build with fine materials and workmanship, and the civic pride tound in the great cities of the past. One of them had suggested that new lessons could he learnt from the great cities of the past; that Rome and Venice were heautiful partly because of plunder brought back from conuncsts abroad.

He suggested they find some art-treasure which someone else could do without, but which could provide their competition entry, if built, with a centrepiece instantly, they concluded that, London could do without Ero for a year-and-a-half, then i could do without it for longer morcover, it was already detached from its base, and stood in the Royal Festival Hall.

building of hang-gliders. I saw The student claimed they had hijaeked the lorry (when the sculpture left the Royal Festival

entered with friends) for a local [1].dl), and driven it back up the

the Victoria & Albert Museum,

or ould have been made from

the replica in Selton Park,

'fhe students' luck changed,

iowever, for the statue vanished

from its hiding place. They knew that the Barbara Hepworths

stolen from the West Yorkshire

Sculpture Park in July 1984 had

heen recovered from a South

Leeds scrapyard; so they

searched the scrapyurds and soon found what they were

Only an expert would have

ecognised it; the seulpture had

been broken into frugments.

The story was true: I checked

the scranyard. The aluminium

They decided to abandon it.

Liverpool.)

lanking for.

Gilbert's vision of the flying igure could, indeed, he realised The first glider is successful thelt: nothing on television; beyond all expectations. The nothing in the papers, (The metal has the same power to draw crowds as it had when last students unagined the their was t was cast. A large erowe teriorists and that the authorgathered on the eliff-top, ities planned not to acknowooking up in the test-pilot, like ledge the biss, rather than accede some winged, helmeted god to ransom demands. Wonders out-manocovring the seagulls.
I think Gilhert would have had been done to cast a copy and unveil it in Piccadilly so quickly. hut moulds were available from

been happy. Vernon T Steam

Dallas goes

From Harold Ogden, sales direc-tur, Burlingtan Slate WAS interested to read your

item on the new Dallas skyline

(April 4). am sure your readers would like to know that our Burling-ton Green slate fluoring is being used up the Plaza area at Countain Place to the tune of 15,000sq

At present only the tower in the foreground of the picture has been constructed, the second has now been bought for the one is awniting official approval justice in this: the material from which the sculpture was made following leasing nf the first! Office space in Dallas ot present

would be refushioned so that seems to be nather abundant. Hacold F)gdes

Australian viewpoint

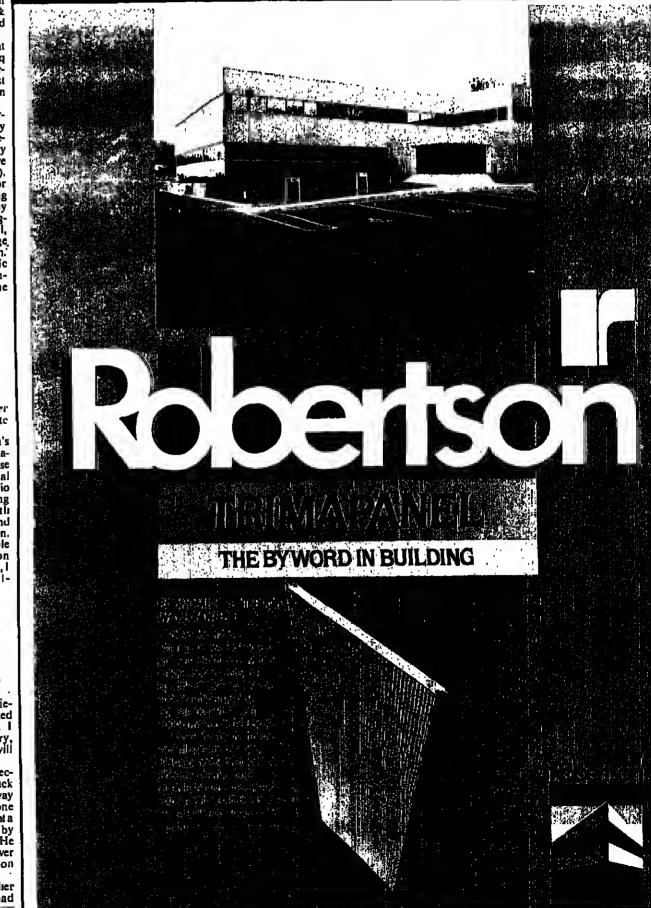
From R. I Brearley, Colquboun &

IT was nice of Building Design to illostrate (March 28), the axonometric of our entry for the National Gallery Competition to publicise the 911 Gallery

We hadn't, however, inrended that our proposals shnuld turn Thafalgar Square upside down! R J Brearley London NW I

Our embarrassed opologies! - Ed

Letters should be typed double-spaced on one side of the sheet and sent to: The Editor, Building Design, 30 Calderwood Street, Londoo SE18 6QH. We reserve the right to ent or amend corre



. The Fireplace Book by Royana McDusald. A practical guide, incompassing both functional and testhelic considerations, to fireplace design, maintenance and restoration. Price £10.95.

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changes in the law on profession liability, retention montes and interes

Foster, Graves, Mies and Stirling, Set 2: Gaudi, Mackintosh, Ralph Erskine, Bruce Goff, Charles Moore, Leon Krier, Terry Farrell and Philip Iohuson, Price; Set 1; 12.50; Set 2

From Dr Rex Savidge, and to the Central Electricity crotting Board I SMILED at your re

seheme for reclad reactor buildings of Pnint "A" power states Somerset, which is and because the glazing bars Frederick Gibberd's only glass enclosure have bet roded by their 25 yes on the Bristol Channel lines (News April 4).

Rex Saridge London EC4

Professional Quislings?

From Keith Dyer IT has now been announced that e University Grants Com-Postice is to send a board of Espection to all university chools of architecture in May These hourds will be com-

posed of members of the techrology committee, which, as I pointed out in a recent letter March 28), has no architect members other than Professor Douglass Wise. The committee composed of chemical, civil nd mechanical engineers plus the odd metallurgist.

As I predicted, the committee s to co-npt members with plirect experience of architecture". It would be interesting to know who these co-opted architectural persons will be, as no one from urchitectural education in the public (poly-teelmic) sector would be acceptable to the UGC, and no-one from the architectural edueation scene in the university world can be eo-opted, as thei own departments are under

serutiny.

I think it is significant that the eo-opted niembers with "direct experience of architecture" are

not stated as having direct

experience of orehitecturo

educotion | quite a different

thing). Are we to see the

practitioner members of the

legitinise the university in-

Esher transbinary roped in to

spections? As the whole of the

educational world is set agoinst

closures (and that is the whole

object of the exercise), the

architects who serve on these

inspection boards can only be

regarded as professional

Wildlife in the

consolation

From Nigel Levis

liven if it win't be buit

| Original **Spitfire**

From Richard Falconer THOUGH respecting Gra Wenmon's "clarion all truthful design", I feel he right to belittle the schiers of R J Mitchell by suggestion owed any debt to Castolia

The Spitfire was the mittion of Mitchell's succession of Supermarine rsciel planes and its form and? ture, especially the wing were completely original Castoldi may have becaus a designer as Mitchell dreadful engines prevent eapitalising on his setsuccesses, particularly MC72, until the Folgore which was designed arous Daimler Benz DB 601. Richard Falconer

Reactor recladding

The blue coated slugger sheet which will be st the inland views of the station is neither specia delicate nor a shade, magnox nuclear powers hardly an atom centre.

motorway. Intal silence hillowed the

- 4 A ONEXPRESS

The effect of under-certification of Interim certificates by the

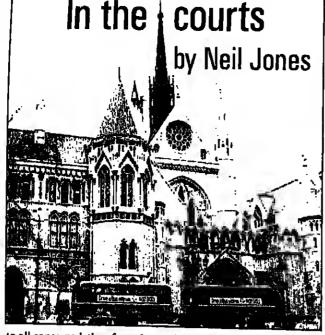
Labenham Fidelities & hivestment Co Lid v South Pembrokeshire District Council and Another [Court of Appeal) The issues raised in this case are

common enough in practice, although this is the first time that they have been considered directly by the courts. As such this is an important case. While the issues raised are common enough, the particular circumstances in which they were raised is unusual.

South Pembrokeshire council entered into three contracts with a contractor, all based on the JCT Standord Form with Qunutlties for Local Authorities 1963 Edition (July 1975 Amendments). The contractor provided performance bonds and, linving failed to perform, the over responsibility for completing the contracts and entered into appropriate JCT contracts as the main contractor, with the intention of subcontracting the performance of the outstanding works.

named nrelittects, the Wigley Fox Partnership, issued interim certificates under each on the usual RIBA form. However, both strited as due a much lower sum than should have been certified. First, because rather than taking into account defective work in the valuation of work as stated in the certificate. it stated the value of work as if not defective, from which was deducted the retention and then a further reduction for the defective work. This meant that the total retention was greater than it should have been. Secondly, a deduction for liquidated damages was made on the face of the certificate itself, which is clearly not authorised under clause 30(2) of the conditions. And in any event this deduction was made before the contractual completion date had even been reached.

nnnely Lubenham Fidelities & Investments. Unusually, for this country, the bondsman took The dispute arose in relation to two of the contracts when the



to all concerned, therefore, that the amount stated as due in the interim certificates was significantly lower than it should have been. However, the council paid only the amount shown at

determine its own employment under the contract on the basis of the council's failure to pay the proper amount. It also accordingly withdrew its subcontractor from site. The connthe bottom of the certificate as eil regarded this as a suspension being due. Lubenham regarded of the carrying out of the works this as a breach of contract by without reasonable cause by It should have been obvious the council and sought to Lubenham, and purported to

that it was difficulties in prodetermine the Lubenham employment under the contract un

the architect's negligence,

the lass suffered which len

in the architects escaping;

bility. It is clear that no

architects who negligently

this is an under-certification.

to the architect's negligence

is not a breach of contracting

employer and accordings;

continictor cannot suctite

player fur breach of contra-

respect of the amount sh

shanid have been certified to

if the errnr is obvious. Then

telling reason given bythem-

for reaching this conclused

that the contract contains

nrbitration provision (st

can be utilised inimediate

which gives the arbitratory

wide powers to open up:

review the architect's cm

cates. Additionally, if

amuunt stated as due n

interint certificate wen-

regarded as binding (s.

naly to adjustments in.

certificates or to arbitual

then the whole machine

interin payments wolk k

Employers should think a

Caught out

Long Jall Habilly catches will

undermined.

not be so fortunate.

In the proceedings, not only did the conneil and Eubenham accuse une another of being in breach of contract, they both nlso blumed the architects for any losses which they may have suffered as a result of the premature determination before completion of the contructor's employment.

The judgment of the court was given by Lard Justice Mayandis of some length. However, it is possible to mulyse and samnurise the legal position in respect of nn architect's undercertification under ICT 63 (and probably JCT 80 also) in the ollowing manner:

I. The interim certificate of the architect is a cundition precedent to the contractor's right to

2. Even if the certificate contains patent (obvious) errors, the employer need only pay what is stated as due on the face of the certificate, even if he is aware or ought to be aware that il contains wrongful deductions, for example a deduction of liquidated dnmages before the completion date is renched.

3. The normal procedure will then be far the patent error (or the latent errar once detected) ta e adjusted in the next certiicate or, if the architect is unwilling to do su, the issue can be the subject of an arbitration which can be started immediately and does nut have to await

hefore seeking to take !! vantage of nn obvious mor practical completion. 4. Provided the empluyer pays certification by the arches While it may not be a breache the amount stated as due nn the nterim certificate he is nut in contract for the employer loss the under-certified sum, it breach of contract, even if he is architect does not rectify is aware that it is wrnng. The position will of course be error in n later certificate different if it is the empluyer who forcing the contractor to ale trute, an orhitrator has the has prevniled upon the architect discretion to award the could to under-certify, or if utherwise the urbitration ngainst the the employer has hindered the architect in the proper currying out of his certification duties. employer even, it is submitted, where the employerhasnother in breach of contract, I he his 5. Elquidated damages should nevertheless acted unreaternot be deducted on the face of the certificate itself. It is a matter

for the employer to make a deduction from the national stated as due in the interim ecrificate when he comes to make payment. Ohviously, the deduction of liquidated dantages before the contractual nr extended contractual campletion date is reached is wholly wrong. The logical conclusion to this may produce nn odd result, in that if the employer wrongly deducts liqui-dated damages before the completion date has been

London Imperial College of Science and Technology with man and Dawbarn (Februs) As anyone habitually inventor in building disputes will as firm, the majority of defeats reached this is clenry a breach of contract by him; whereas, if the building claims stem from arehiteet wrongly makes the effects of thermal and mount deduction within the certificate, movement in the external the employer is not in breach of velope. Typical of such 8 (2) contract in paying the reduced was this one which involved sum which is stated as due (and sudden fall of some 80 cents n effect thereby deducting liquidated damages). . Defective work should be effected in the valuation itself

ather than as a deduction from A contractor cannot lawfully an upper level in October payment or under-payment.

The architecture is an upper level in year subsequent surveys revealed in the substantial research.

in the issue of interim certi-licates. In the case in question, while the case in question, eate. The contractor's wrong-ful failure to proceed was itself a breach of contract, entitling the employer 10 determine the contractor's contractor contractor's employment and this caused the loss to both of them. The court made it elear

ealled by the college which listed five primary causes of the failure of which the first two were the most significant. They were as

I. The entry of excessive water der-certify or over-certify between the tiles and the substrate due to: fol defective weathering strips which were ineffective against driven rain; The Court of Appeal a complante in its judgment & (b) The nature of the grount which did not wnterproof the the issue of minterimeeriffe ioints: Ic) The existence of voids is a condition precedent top between the tiles and the bed. contractor's right to payer for the amount stated as deci 2. Differential in the thermal

and moisture movements between tiling | with its assoeiated bedding) and the render, and likewise between tiling, (with associated bedding and render) and the substrate. 3. Inadequate key between

render and mortar bed. 4. Inadequate key between concrete and render. 5. Excessive nyerall thickness of bed and render setting up

shenr stresses on interfaces. After stating that the two mnst prohable eauses were the combination of excessive water penetration and the differential In thermal and moisture movement, the judge dealt with the situation where there are contributory causes leading to the same damage in circumstances where the defendant (in this case the architects) may be at fault in relation to one, but not in relation to the other.

The judge quoted part of the speech of Lord Simon in Mc-Ghee r NCB (1973) as follows: "... where an injury is caused by two (or more) factors operating eumulatively, one (or more) of which factors is a breach of duty and one for more) is not so, in such a way that it is impossible to ascertain the proportion in which the factors were effective in producing the injury or which factor was decisive, the law does not require n . . . plnintiff to prove the impossible, but holds that he is entitled to domages for the injury if he proves, on a balance of probabilities, that the breach or breaches of duty permitting bad workmanship of

factors su operate cumulatively, it is, in my judgment, immaterial whether they do so concurrently or successively." Using this principle the judge

then considered the degree of responsibility falling upon the architects for each of the five causes listed above. In doing so, he made the point that not only did he have to have regard to the test of competence of the nrdinarily skilled practitioner, but also to the particular circumstances of the case including, in this instance, the fact that in the late 1950s Norman & Dawbarn were in the forefrunt of thinking in the use of ceramic tiling for external cludding on

tall buildings in this country. The major criticism was in relation to the inadequacy of the wenthering strips immediately heneath the sills at the top of the tiling in each panel and the failure to require waterproof grnut. This was an error of supervision or, nlternatively, design in that the contractor was permitted to use short strips with a senlant at each end. The seniant was not an appropriate first line of defence nguins driven rain. The judge held that the evidence of failure by the architects to take reasonable steps in their design and supervision to guard against such water penetration was formid

There was also incomplete buttering at the back of the tiles resulting in voids that would be likely to either retain moisture or enable it to penetrate further behind the tiles. The degree ut shortcoming in this regard was sufficiently extensive to lead to a finding of negligent supervision between render and mortar beand concrete and render.

In summary, therefore, th architects were liable fur their failure to take reasonable steps to protect adequately against contributed substantially to the tilers to remain uncor-

eausing the injury. If such rected, whereby the effect of and, it, as is likely, there is water penetration was exacer-hated and which in turn led to a hability of 15 years from the dangerous simution.

> The period of limitation of actions in negligence is six years

from the date on which damage is suffered. The judge held that the material date was that on which relevant and significant damage first occurred, follow ing Judge Sir William Suth QC in London Borough of Bronch ve Rush & Tornkins Ltd 11985). The tiling had fallen nff in October 1977. The writ was issued in May 1978. There was no evidence to suggest that damage had been suffered before the full, and as the judge put it: "I harp on a well-worn string in emphasising that it is physical damage and nnt defects, nor economic Inss. that constitutes damage as contemplated by Lord Fraser in Pirelli General Cable B'orks Lul conneil. e Oscur Faber & Parmers

This case represents another all too common example of architects being found liable years (in this case 30) after they did their design. The law on limitation in respect of liability for negligence in respect of latently defective buildings is likely to be amended before long substantial huilding works went on, namely to prop-up the first floor, demolish internal walls,

breach of duty, the architects may well in this case, in respect of negligent design, have escaped liability.

decision

Messure of damages for breach of Bullding Regulations Fry and Pym v Juckson Lid and Guildfurd Borough Council (Jannary 1986) before His Hunour Judge John Newey QC Official

The facts of this case were typical. Defective foundations followed a departure by the huilder from approved foundation plans, departure condoned hy a building inspector of the But the case is interesting in

that it had to deal with the appropriate measure of dani-

Two couples, the Frys and the Pyms, moved out of their semidetached houses which had been alfected by settlement while

break-up and remove concrete amounted to only a few hundred oversite of screed, excavate to load-bearing strata for foundations for internal walls, form foundations, lay out hardcore, oversite of serced, rehulld internal walls and make good services and redecorate. For each property the cost was in excess of £12,000.

The council's point was this. It produced expert evidence that hy the time the remedial works were carried out the settlement had virtually spent itself and was unlikely to continue further. At that time the only possible danger, it contended was in relation to a potential fracture or nuncture of various service. pines, for example gas, foul sewer etc. It therefore argued that the only recoverable cost was that necessary to avoid imminent danger to health or

Readers will recall that the duty of local authorities to ing Regulations is imposed aponthem in the interests of safety and welfare of occupiers and members of the public in relation to properties in their area - Anns v London Borough of Mctton (1978).

pounds. On the other hand, the house owner-occupier's approach was to claim damages for the cost of putting the building back into the position it would have been had there been no breach of Building Regulations by the huilder with the approval of the council's building inspector. On this hasrs they claimed the cost of all of the remedial works. The learned judge found in favour of the Frys and Pyms and awarded them the full cost of remedial works.

While there was an element of logic in the argument pur inrward by the council, the judge's decision was sensible

 A PARAGRAPH was uminted from the item headed "Judge's powers" in our liest legal column on March 14, It Should have appeared between the third and fourth paragraphs and read: "A different, though closely related issue came heb ire ensure compliance with Build- the High Court again a matter of a few days after the Partogum decision. This was in the case of Raymond George Reed v Herman Van Der Vorm hefore Judge Hawser QC, who gave indg-ment on November 6, 1985."

The cost of rendering the Neil Jones is a solichor with Neil service installations no longer a Junes & Co of Birminghum, risk to health and safety specialising in construction law.

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The architects owe to both employer and contractor a duty £1,000,000. Problems were o use reasonable eare and skill ficates. In the case in question, while the architects were in breach of that duty to both employer and contractor it was employer and contractor, it was not this breach ractor, it was Dawbarn, the architects not this breach of duty itself sponsible for design and sponsible for d which caused loss to the employer and contractor. The action against the main of eause of their loss was the contractor's wrongful fallure to proceed with the works, under the mistakenim action against the mistakenim action against the displacement of the fact that the final cell ficate had been issued in the mistakenim action. The action against the mistakenim action acti the mistakenimpression that the December 1968. employer was in breach of contract in not paying the sum tects proceeded on the ball which ought to have been stated as due in the interim certifi-

tiles which clad the nutsided 12-storey building at Impo College, Kensington. Il & constructed between Janu 1960 and November 1962. Following the fall of tiles discovered, therefore, abou

The claims against the ard

Ibeir negligence between abuil 1960 and 1968. The building as designed in the late 1950s and east and west elevations formed

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The event, which was the second organised by the Centre for Development & Environmental Planning (Cendep), attracted representatives from most British educational institutions concerned with the cnvironmental problems of developing countries. Some pareipsnts came from ss far as Holland and France.

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The symposium sought to identify and assess some of the innovations in policy or practice which professionals working in developing countries should be familing with in attempting to improve living conditions, parricularly for the poor.

Eight themes were covered, ranging from innovations in land sequisition and development, financing and credit arrangements, developmental management and social organsntion, building design, materinls construction and maintenance, services provision and maintenance, community business and employment generation, to urban transportation

UNDER ONE

ROOF.

Geoffrey Payne reports on a Third World planning symposium at Oxford Polytechnic.

and strategies for disaster man-

At the opening plensry session cach theme was introduced by specialists, and participants were invited to sign up for the theme of their choice. During the afternoon each theme group met separately for presentations and informal discussions. Psrticipnnts were encouraged to bring examples of innovations to discuss their possible appli-

Some theme groups were highly structured. At the end of the first day a great deal of discussion had taken place and most people had made some sort of contribution. Participants were provided with a real lest of Their sbility to respond to unforeseen challenges when the returned in time for an evening wster mains to the polytechnic buffet during which discussion

John Turner, 8 speaker and theme organiser at the conference.

providing the central healing tu restore the temperature. The symposium rooms had to be closed down. This not only reduced the internal tempera-

Since all participants had missed discussions of the other seven theme groups, the plenary ture to that of the surrounding sessinn on the firiday morning snow-covered landscape, but consisted of reports from each more importantly closed the theme group on the discussions, toilets and even the student bar! the innovation examples and the Undsunted, participants detools for change these represcended on the local pub and sented in other applications.

The theme group discussing movalions in land acquisition

mputers for prepuring and pdating land-registers as a esis for local planning and land management. It was argued that see of these is likely to become mmon in the next five years end that elready 50 per cent of World Bank projects include a

nd-management component. The group concerned with nnovations in finance considered the argument that com-munities are commonly deunities are commonly derived of the value they create nd that any external resources hich are received are conrolled by outside interests, ereby intensifying rather then lieving a puttern of local pendency. Examples were iven of communities which ave attempted to reverse this rocess by erenting their own urreneles or financial instiutions such as community banks, eredit unions, cooperaestablish a frame lives or communes.

tily different space Examples were given of exvalues and controls perience from Cannda, Spain ent pulitical and (the Mondragon experiment) systems. It was widt New Caledonia, Australia and framework which a Seandinavia and the group the relationship idiscussed the implications of policy level with these options for different specific mechanismeontexts. At national finance elements as land devel, the ides of new currency would in itself beautualts (NCU's) which would A mure specific temable Third World countries to

pendently of the present strang-hold exerted hy world financial by using projects to huild markets and institutions, was slso discussed.

The problems of innovation in public services provision and maintenance stirseted a large number of participants and those representing the engineering profession thought that their contribution was often too late to be effective. It wes generally agreed that sdaptations of existing proven methods represented the best way of meeting the wide range of community needs and site eonditions seeing the services designer. It was also felt that the

greatest scope for innovation lies in the organisation of projects which would enable engineers tu be involved in project design. It was argued that more care was needed in considering the maintenance requirements of a project so that low initial levels of development would work effectively during an interim period until higher levels of provision could be afforded. There was felt to be eonsiderable need for training programmes which integrate practical work with new ideas and provide incentives for those who have successfully completed training progremmes.

This would help considerably was felt that central control of the programme hed inhibited its

institutional capability and would change the attitudes of Participents felt there were hoth professionals and comconsiderable advantages in munities. One of the technical involving communities directly options discussed by the group and that hy recognising the was the use of aerial photodifferent types of household graphs as a design technique formation and in particular the innovation. This was seen as role of women, more sensitive both attractive, quick and very schemes could be developed. economie, though limited hy

Planning

Devolution

official (eg military) constraints But the esutionary point was and the size of a neighbourhood. made that institutionalisation at the local community level can lead to a hasic change in community objectives and he-The fourth group was con-cerned with innovations in haviour which is difficult to incorporate into planning programmes and may well lead to proposals which fail to indevelopments! management and social organisation for local corporate the needs and aspiradevelopment. The group discustions of the majority of housesed a runge of options to achieve decentralisation and a devolu-

tion of decision-making at four Exumples were given of the failure of so-cidled participatory levels - policy, metropolitan, experiments in the where it tions fur decentralisation ut the wus argued co-option and municipal control had resulted in a fullure of real cummunity metropolitun level were illustrnteil with the case of Metroinitiatives. In this way govern-Manila which showed the need for grenter exortlination hetment policy inevitubly tends ween agencies in central gov-ernment. At the agency level the towards bureinicratic and regoletory control, at odds with the ense study given was Sri Lnuka's objectives of empowering lacul million-house programme. This illustrated the need for institu-

It was srgued that the com-

spread in the 1970s as a series of small, locally based initiatives, is now sponsored (and controlled? I hy professions and government in a way which will

inevitably restriet its potential. The basic problem is that institutional priorities and procedures are often at odds with project participants and that, while the need for local control is undeniable, the means of schicking it are difficult to implement. On a more positive note an example was eited of the British experience of housing essociations which, it was argued, give more opportunity for leverage on local authorities and central government agen-eies while still maintaining their links with local communities. sithough even here reservations

vere expressed. It was generally felt thet the main scope for improvement lay in more diffused forms of transportation rather thun the concentration on centralised forms, whether this be seen in terms of public rail networks or urban motorways.

The theme group concerned with Urhan Transportation began criticising existing tools and practices. It then moved on to a discussion of possible innovations and agreed that the msin opportunities lay in trsffic management rether than in cehnical aspects such as modes of travel.

The group identified e need o demystify the criteria underying trnffic proposals and question besie assumptions regarding such things as the role of pedestrians etc. Another problem identified was that urban Iransport is considered in solation from the wider social and economic objectives of urben policy — a point made by many other theme groups. In its recommendations the group advocated a wider range of factors to be considered in evaluating traffic proposals and argued for more attention to the energy implications of transport planning needs. Technical options which received attention were the use of gasohol vehicles and minibus services.

Hazards The theme group concerned with disasters management made 15 presentations covering a wide range of topics and cases. Among the tools discussed were low altitude aerial surveys in the mapping of hazards, particuerly when linked to community level decision-making and the development of simple quantilalive tools (such as cost-benefit analysis) to aid officials in decision making on measures to reduce risks to low cost housing

and disaster prone areas. The development of assessment techniques to measure line socio-culturel factors that influence the acceplance or reection of post-disaster housing provision was also felt to be mportant, as was the education of builders and craftsmen in good and safe building prac-

Assessing the shelter needs

The report by the community business and employment generation group produced en outburst of spontaneous ap-plause. While the group itself was small, the areas that it covered were obviously critical to the concern of most participants. Institutional con-trols were felt to be a central concern and it was argued that they set up a client/professional

relationship rather than one between equals. It was felt that the main question was how esn professionals empower local

communities? Cu-opting tenants' associations (often themselves unrepresentative of their communities) into professional power structures inevitably excluded the majority of people since they are not able to write reports or argue a professional

case in public. If professionals have problems, how then should communities themselves proceed? An exumple was given of a consultant economiss on a eharging rate of £300 a day advising unemployed residents of a community how to manage on £8 a dey. This raised ahvious questions about who had the relevant expertise to offer

The group argued that Britain the Labour Party had fuiled the poor as much as the Conservatives by enloreing central control and local dependency - the very opposite of the intentions of socialism. It was argued that there is a certain integrity in the market place and that if the poor are to really schieve socio-economic progress, forming and establishing new businesses is a major sreao opportunity. If this is the case then the need for professional advice to help people start, expand and maintain contro over their own initiatives is obviously an essential function of planners and others.

Education

The afternoon was given over to a final informal plenary session at which an attempt was made to establish links between opportunities for innovation between different themes. While the symposium identified a number of technical options for Innovation which could be of great value to professionals working in developing coun-Iries, it was clear that the main emphasis for new approaches lay in techniques or melhods and ways of working together. Another area in which considachieved is education and training, where it was felt that the existing professional demarcations acted as a barrier to interdisciplinary working praclices. The problems with which we are concerned ere not tion in the wey that most educational establishments, both in Britain and abroad, tentl

Another area for innovation les in communication. It was that many countries are often very reluctant to lenra from the mistakes of others and repeat the same mistakes themselves. Considerable effort needs to be invested in showing how certein types of approach can prevent problems recurring

National event The event was a social and a

films or slide sets to educate the general public and the need to develop a methodology for action planning — permitting considerable flexibility in the design, construction and possible contraction of refugee eamps — were other areas which this group covered.

the workload from school to school, other institutions in Britain who would be interested in hosting this event in 1987 were invited to send a note to the secretary of Cendep at Oxford Polytechnie to arrive by the beginning of the summer term. Bids should identify not only the facilities which schools can offer but also proposed dates and the subject areas which the 1987 symposium should be concerned with. Given the importance of 1987 as the International social workers often constitute a Year for the Homeless, this loss to communities because offers the opportunity for a major national event.



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projects where modern insulation makes a value of the contract of the contract

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upside down, Materials and techniques for new and rehabilieneagles hotel, Perthshire
Altogether, it's a pretty impressive obscience design service that's freely available for industrial, commercial

On top of which, Coolag continue to introduce new to comfort levels and operational economies specialised insulation products, purpose designed for specific That's because (unlike most insulation by the population of the purpose of the population of the purpose of the population of the purpose of the purpose of the population of the purpose of the purpos applications. All convincing evidence of Coolag's determination to keep abreast of new building technology.

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turers) Coolag offer a range of 16 h-spec has PURLBOARD - PI - PURLCRETE - PURLOEK - PURLPHEN - PURLROOFER - SILVERLINE - THERMAFOIL - THERMAGLASS - THERMAROOF SL

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THE SHANGHA

architects would consult the anciant Chinase art of Fang Shui, disasters could be presented by the could be presented by t Chris Ward reports.

ECIDING where to put the goldsish when you're designing a building may not be a top priority - but, according to the ancient Chinese art of Feng Shui, It should be. Otherwise your clients could suffer anything from minor injuries to complete failure of their busines-

The art of placing the goldfish in the right place, along with which direction the building should face, how high it should be, what colour you should paint he outside, are all covered in the 4,000-year-old Chinese art.

is right, you will have good fortune, good health, and become rich and famous.

If you get it wrong you will, according to Britain's only fully qualified Feng Shui expert. "have difficult times like dog's life, and will be bad luck for your If you're not well up on the

intricacies of the art, help is at hand. Kwok Man Ho, or Peter as his friends call him, spent 16 years studying Feng Shui in Hong Kong and then came to this country "because the living here is great, and the traffic jnms there are so bad you can get out When your building's Feng and go for a walk if you get stuck

He offers advice such ax: 'Most houses are better for fucing south, and it is good if they are on a slope to have the hill behind them. The south side has warm uir untl sunshine, and

monutains behind your house are good because there is energy in them to back you up and help "If you face your main door to the hill, it will cause you family ruin, and make everyone in it But it's not just the building

"You should not build on trinugutar-shaped pieces of land, because it causes people to

the business will greet also very impres crests on the builded Reval family pair "Royal spirits are rep

building of the 1900 Hong Kong & Shape building, and the from lightning during thunder storms. "Don't put your main

sac. It will cause your funnily riun and bad luck, and make them

Although it is most appeared in the Tuff translation.

by Peter and Manchester's editorship of Peter plans to

should always bene level or higher da apposite. If you ter than the other, p underpressed by his

important," he sigh energy and can pak itself that you have to get right:

commit suicide. Even a square

house nu a triangle is terribly

ing is of a body falling from the

sky, landing next to a fish pond. Standing pools inside the gate

of the house, between it and the

front donr, that is very worse.

Very easy to have an accident, and it brings had luck," he

lucky spirits. Electric lamp-

posts are also no." Trees and street lights can attract danger

donr facing a dead end or cul de

sick because they have no light "Also houses on the nurside of a river bend will cause everyone in it no good. Houses on the inside are much luckier." The same applies in towns

where, although it is sumetimes difficult to see where underground rivers run, road flyersers arry the same risk of bad luck. Businesses on the outside of

The interior of the house is

calm their patients.

apparently by accident. Har-

Peter uses small cartoons to

illustrate his points. One drawnothing can touchibe: to put the symbol

"But if the pool is contride the gate, then it brings the person goud luck in mimey." The curtoon is swapped for one of a beaming man looking over the gate at the repositioned pand. A pound note is bouncing of this publication of his to "Also it is very bad when a big tree is outside the man doors, because it is too paweitul. It blocks your sunlight and your of Feng Shui measan

A leng Shul min

flyovers will be poorer than those on the inside," he says. also important, right down to where you put those guldfish. "If you put them in the right place it will make everyone happy. If the buwl is in the wrong place it can cause uccidselves." So beware all those past 1,200 years the publisher of the dentists who use tanks of fish to This best seller

where you do your cooking and washing is critical. "The kitchen must not directly face the toilet or the bedroom—it is not good for health. And if the kitchen faces the front door so that passers by can see join it. Consultancy on R cation & Cultute that passers by can see intn it. you will not be able to save any guide to DIY Re Despite the fact that Feng for themselves how Shul is new to this country, it has, for some time, influenced go about their warned, you may many homes and businesses. bringing Feng Shi rods, Peter decided on our brief visit to the Knightsbridge store, gets most of the vital points proverb which sale invite a Feng 3 Well stare packing

"This building is higher than now!"
the one opposite," Peter explains to the bemusement of Century Hutchisses of

To the partners and associates of Frederick Gibberd Coombes & Partners, Hubbard Ford Partnership, Damond Lock Grabowski & Partners, Michael Aukett Associates, A.P.P. Brighton Architects & Planning Consultants, G.M.W. Partnership, Sheppard Robson, Elsom Pack & Roberts Partnership, and Leach

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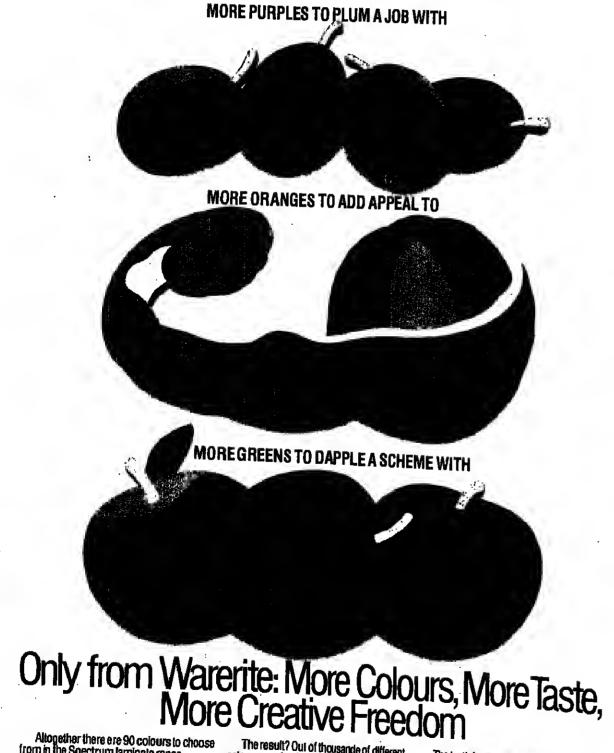
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that Spectrum hes to offer.

choice than you'll get from eny other lamin- 90 that became Spectrum.

Furnishings and movables, tools, equipment, appliances, images and messages, and the whole paraphernalia of communications obtrude between the subject and pure architectural form in the contemporary world. Perhaps It was this glut of things that led us to abolish ornament and replace craftsmen with technologists, and intro-duce "industrial design" as a kind of visual Dolby system for the reduction of aesthetic noise: to let the pure signal of the object-product ring in the silence of white space.

the world.

Yet the world is incorrigibly various and inevitably entropie: a perfectly proportioned room with a perfectly designed to and lephone in it ceases to be perfect as soon as the telephone ings and the tv is switched on. Not only are the messages received liable to be disturbing, but the vibration of the noise and light alters the phenomenology of the room; the relations of its forms and spaces and surfaces, together with our orientation to them changes. A olden-section wall ceases, like silence, to be golden, when there

is writing on it. Actions and avents, with their concomitant tools and furniture, always tended towards the "dis-proportional", but with telecommunications this disproportionality becomes exponential: action at a distance and simultaneous happening short-circuit classical, contemplative architectural apace, and diffract the formal object into profuse modalities of encounter and attention, causing the aeathetics and logics of aignal and noise, message and nonaense, to interact.

Today, space seems less mportant than objects, and objects less aignificant than the informations and functions which they mediate, A computer is an object, but it can never be the same kind of object as a table, a jug, a door, or an axe.

Two kinds of modern madness arising from this would appear to be on the one hand withdrawal into catatonic alience (minimalism, solipsistle and seif-referential autonomy) or manic plunging into super-involvement, semiotic hyper-activity ("maximalism", postmodernism). Art as the absorption of modern anguish by means of entical playing with representations of its contemporary condition . . .

Interactions

These were some of the houghts arising from a visit to a

April 1984, and has since mounted several memorable shows in this atreet of terraced houses, notably "A Sense Of Place", which combined wellknown and unknown artists' work to create a show which turned the whole street, inside and outside, into a public rtspace. fragile drawings and writings on
At Riverside the most familiar walls that are on view in Britain

CONSUMER ARTISTRY

A email axhibition at the Rivarsida Studios studies the interactions of technology and culture. Brien Hetton reports.

but with different responses.

wistfully to a time when

familiarity and ease with natural

rather than the exception. Her

titles convey some of this poetic

quality: "Yellow Clintonia", "Weeds of the Northeast"

artist included is Richard Hamilton, who has long worked across a territory between art and technology, mediation and communications. He sees both art and industrial design and advertising as a systems opcration involving the process not only of making, but of marketing and packaging. He once created a "product" artwork, satirising both critics and consumer-society, constructed from a set of dentures connected to a Braun electric toothbrush, and then produced a promotional film advertising it. using all the slickness of a typical product of the publicity

he has two pieces, an artwork-

aa-consumer durable and a

computer. The first is "Lux 50"

a functioning prototype of a stereo system in which the

controls and amplifier black box are built into a painting hung on

the wall, with cables running to

twin speakers standing before i

on the floor of the gallery. This is

both a consumer product and a fine-art representation of Itali

in one. Adjacent are painted atudies for it. The computer, like

the Lux 50, has been developed

by Hamilton with an advanced

electronics firm. Titled "Am 50", it contains among other things a "menu" consisting of a eatalogue of all of Hamilton's

works and activities, including

auch Items as an abusive open letter to the critic Peter Fuller published in Art Monthly.

This recapitulation of an

artistie eareer as a complete

aystem rather than almply the

artworks produced as a result of

the career is in many ways a

descendant of such minimalist works of the 1960s as Robert

Morris' "Box with a sound of its

own making" - a wooden box

containing a tape-loop playing the sound of the artist sawing

and hammering the box

Hamilton nevertheless, like

Robert Rauachenberg, has

alwaya sought to work "In the gap between art and life", and is

quoted in the catalogue about hla" Lux" piece: "... I also liked the idea of 'plugging in' to a work of art festooned with links

to a used environment. One of

the attractions for me was the

production of a pleture that

Morton, who died in 1977, made

her name in New York with

Recapitulation

"Currents in a Stream", "Scaly Bulb" and "Two Cells" Paik'a work, on the contrary, embraces the full, hot gamut of technology and over-production. His "TV Garden" In "Antidotes to madness?"

Morton's childlike drawings of the gallery, with a raised walk, and captions seem to grope back rather like the platform for viewing the goldfiah pond in an oriental garden, running around surroundings were the rule it. Each screen shows the same programme but with a different images range from dancers to John Cage (an elder-figure to this show). The effect is spectacular, exotic, and hypnotie -

a sort of electronic version of

Monet's "Waterliliea" pictures,

for the first time at this ex- is a stunning tour de force of hibition. Both the pieces here by these artists represent a condition of distance from nature

as a statuting total activated wideo virtuosity and worth seeing the show for in itself. Thirty colour tvs are put down amid plants at the darkened end colour. Music fills the air as the

sume", and the thirds The two remaining artists in descriptions of we this show, who are in fact the events in very specific first to be encountered an ments, whose change entering the Riverside, are both moods are defined? dealing with very different matters, and a distinctly critical and political strain is present in Hannah Collins' vast plicito-

"tastallation" by Hunnah Callins.

culture is Impressionism.

work.

graph of an unidentified loft interior, aprend with polythene aheets and bed on the lloor, dominates the concourse area. The photograph is divided by the real column of the Studio building, and on the floor before the photo are three piles of

nrehitecture and fund 1. "Under the contra;

there was a long, high constructed out of at Inside, the man whole showed me beds in to boxes filled with dolby 2. "I was waiting for when I found myself c the rags stuffed up the the bus sheller. They've carefully placed."

arch of the installation a tele-"When I drove home, I saw plione is placed on a shelf, with the wire from it running into a of old doors. They had a sofa and crazy whirl above it. A group of had used some of it to build a black cutton threads run up fire, while they sat on the rest." from the phone to the ceiling, over the visitor's head, and In the concentration of these down over a paper wall of zoidal site and the axial plan ealendar date slicers. Behind this of the existing neoclassical vignettes and the massive fixity screen the threads run down to the floor through a copy of a Stern front page, a painted canvas of two women making

of her photograph, Collins seems to be looking at the other side of the technological world that faseinales Hamilton und Paik, as if finding in the very love, over 8 brick wall, to little meanness of impoverished things some of the lost reality in brass gaskers pinned on the floor. From outside the gallery objects. A cardboard box, if you have to live in it, becomes an one can plione in to the artwork and receive the recorded message of the blocked conndustrial primitive hnt, and polythene sheets the to-hand raiments of a modern outeast nection to Poland. The allegory is clear about

her cat in there and sings to it.

She feeds it cake."

from paradise.

Poland; but the graphic com-hination of motifs in this work is Piotr Sobieralski is also an outcast, but one who is desalso expressive of a general perately trying to get a phone-line back to his Eden. A Polish universal condition of conlemporary human space: the artist living in Humburg, inseparable intertwining of the Sobieralski has titled his instalpolitical and telecommunilation, which forms a kind of cational with the architectural in entry-arch to the show, "My the construction of the late 20th grandmother can't use the century world. Whatever contelephone", and placed by it a fusions there are with the words note describing how during the Polish emergency of 1981 all amid the whirl of wiring on the wall, however, there is no doubt telephone lines to Poland were that for Sobieralski it is barbed. blocked with the message "The connection to the Polish

On the left-hand side of the [THE design of the East Wing of the National Gallery of Art in Washington DC is supposedly based on a geometry generated out of the grand plan for the city and its intersection with the trapezoidal site and the axial plan gallery alongside.

> a series of solid corner towers which in turn define a central skylit lobby. Externally, at the point where the different grids ntersect, the huilding terminates on a single knife edge of stone. Since the building opened in 1978 this edge has been

This building and 11 others form the basis of a recent

"The Wiring an the Wall: Antidotes In medness?" Is at the Riverside

DIVERSE

ings in America.

Concentrating primarily, bu

not exclusively, on American

publications, and taking in the

Reviews

It is a geometry which creates

onched and handled by passersby, creating a mark on the otherwise pristine stone corner.

American exhibition and hook which examines the architectural ideas that generate the building designs and documents how the public have rubbed up against them. The 12 huildings, all completed in the last 15 years, represent a broad mix of types ranging from small residences in the suburbs to large civic and commercial buildings in the centres of cities. The schemes were selected after an analysis to

amiliar prehitectural journuls. the department of an history at Rutgers University put together

those projects from inception, hrough design development, onstruction and the headydays of completion, through to eportage of the buildings in use. t is a bold idea and the exhibition is appropriately called "The Critical Edge controversy in recent American

srchitecture"

Such an exhibition is overdue. for the last few decades have seen not only enthusiastic energies to build a range of mportant buildings in the US, but also an unprecedented increase in public interest and nvolvement in that work; and while it is debatable whether the level of architectural criticism has improved over that time there is no question but that

there has certainly been more of The list of buildings is impressive, if predictable - AT&T, Best Showroom, Piazza d'Italia and the Portland Building appear nlongside Pei's East Wing, the Getty Museum in Malibu and the Bronx Development Centre. There are some oddities — alongside Gehry's chain-meshed house is the honse for another Frank designed by Bisenman, while Portman's Renaissance' Centre in Detroit and the Empire State Plaza In Albany show urban renewal

with a vengeance.

The exhibition attempts to display and study "the design ideas behind these projects, the design process in relation to the building programme, the prac-tical and nesthetic concerns of he clients and the architects and n particular the role of arcinectural eriticism and its impact on contemporary architecture"

This attempt is mounted hrough a collection of original early sketches, renderings and models, together with photographs of the finished projects in varying stages of wear. Consequently, the mnterial on display includes large presentation models, photographs and notes as well as shreds of tracing paper. They are revealing and show, for instance, how Graves' ambitious first ideas for a sculptural Portland Building were trimmed down to a surprisingly apare flut box even by the time of the second competition review; or how the original postic demands without the day Maya Yang Ling for the Vietnam memorial design competition was not used. tion were not made public but replaced by a model and new presentation drawings.

The exhibition explores the iconographic importance of the international perception of a same,

building, Censored by designers these images can be misleading, and if not updated, quite s list of huildings and then proceeded to assemble ninterial inaccurate. So we discover Eisennian's House VI is, in fact, which traced the development of perched on the edge of a ravine or Portman's Renaissance Centre in Detroit is walled in on those sides which face the city and not openly, as those to the

DUILDING DESIGN, APHI 10, 1300 - 41

Brian Carter

axhibition and

looks at an

book which

important US

buildings from

attempt to

inception

to recaption.

follow

The exhibition is backed by a detailed and well-illustrated 200-page catalogue which is avsilable as a hardback book. Together, they reveal a view of architectural criticism based on diverse and frequently contradictory opinions. Here, one man's architectural meat is definitely another's design poison.

There are comprehensive footnotes on each project showing that for every person con-sulted there is, indeed, a view. However, in typical American fashion, even though these views may be bland, the overriding conclusions offer optimism and encouragement instend of the perpetual pessimism and cosy greyness which seems to pervade the views of architecture in England.



Mies review David,Spacth's book on Mics van

der Rohe published by the Architectural Press was reviewed photograph in architecture, where one or two carefully selected images establish an the inadvertant omission of his

AT&T headquerters, New York.

and a reminder that the oldest biankets, one printed with the 3. "When I go to be k correspondence columns of living tradition in modern visual People's Republic is at the word "Sleep", another "Con- elle there's a woman's local newspapers and in-flight present time interrupted". find the most publicised build-Gallery, until April 27. magazines as well as the more क्षा क

DOUE FIRST

BSC Colorcoat Trophy Awards go to two distinctive buildings. requirements. es for the recent BSC Colorcoet building awards clearly store

Trophy Awards went to the Maldstone Hospital building by Portion and Pertners (above) end factory end office units by Richard and Pertners (right)

The Meldistone Hospital building features a typical 'nucleus' errangement, with an elavational design capable of naturally assemble end in the right position for each room and to give scope for possible changes. The elavations are accordingly windows. chengee. The elevations era designed as horizontal strips: window apron string. The arrows are designed as horizontal strips: window apron string. apron strips. The epron strips echo the traditional Kentish weathern

BSC Colorcoat Pvf2 was selected es the cladding material beathers the assential was selected es the cladding material beathers. ovides the essential properties of very long life coupled with low aintenance as well are selected as the cladding machinism. maintenance, as well as possessing good colourfast characteristics.

The very different possessing good colourfast characteristics.

The very different factory end office et Braywick, Maidenheed of designed to cater for the needs of new technology business users; in use of lerge gless areas and eye-catching steel cladding maleries, present an individualistic end progressive image. In order to prove degree of flexibility, units are designed so thet occupiers can easily of the complete can easily of th

A The William Control

the configuration of the class and metal cladding panels to suit their own

erchitects are successfully using this versatile steel cladding males cladding panels, with an inner liner in BSC Colorcoat Plasisol.

Increesing renge of diverse building types.

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striking metellic silver featured on the Maldanhead units. BSC Colorcoat is dasigned for e sheat life of at least 40 years in most

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iles Prometion Denariment, BSC Strip Mill Products, PO Box 10, Newcort, Gwent NP9 OXN, Tel; 0633 272281 BSC Colorcoat-there's life in it!

night catablish a sensory intimacy with its owner. Every day, perhaps every hour, I touch small exhibition entilled quizzieally "Antidotes to madness?" my radio or record player. Maybe a similar rapport could the Riverside Studios. be achieved with a pain (Collected Words, 1982). works by five attists working Hamilton's work seems to be with the interactions of comtrying to represent the in-creasingly ambiguous relation between fine art and technologymunications and culture, into a series of rooms, each of which picks up one of the themes and based, industrially dealgned ssues raised and predicatea an consumer products. The works environment upon it. of two other artists in the show, Paley opened ber house in Beck Road, Hackney, as a public gallery, "Interim Art", in on the other hand, are as much about the relation bi natural and the artificial as between the ristic and the industrial.

The American-Korean video artist Nam June Paik has been working with twaoreens new for nearly 20 years, although he is still insufficiently known in Britain, while the American Ree

Enter 20 ON EXPRESS ENQUIRY CARD

Enter 22 ON EXPRESS

HIGH STREET

uncluttered background, allow-

The floor tiles are grey

planting boxes at gallery level

The architects have tried to

DESIGNED to reflect the first-floor gallery of smaller best buildings in High Street,
Crampin & Pring's scheme
by Next. Crampin & Pring's scheme for White Lion Walk in Guildford takes the traditional "arcade" as its central

The Nottingham practice saw the redevelopment of the former White Lion coaching inn and Woolworth store as an oppor-lunity to improve on uninspired additions which had denigrated ceramic with a pink border. The

A series of varying size shops arranged around an inner glazed mall are used 10 link High and lin stain Japanese sereens, grey North streets. This arcade effect stained trusses and white acouis enhanced by use of continuous op-lighting in the public spaces. In the centre of the inner street create an inviting view of the there is an airium with escalawalk from the street and to tors and a scenic life serving a express the interior qualities and

elevation. Crampin & Pring have referred to forms elsewhere Inside, Italian granite and in the High Street, such as bays, ceramic tiles have helped produce a low-key, relaxed and gables and overhangs, to inte-grate the new development with

its surroundings.

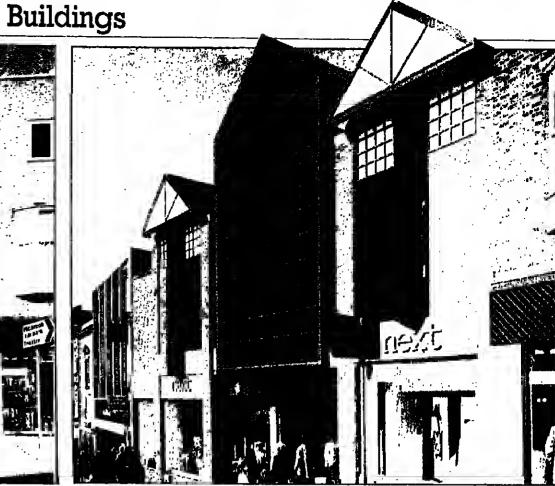
ing the lighting and interest from the shops to dominate at mall The project was started in April 1984 and completed in level, while emphasising the structured architecture of the February this year at a cost of £4,383,000.

Flona Gorman

Architects: Crampia & Pring. Design team: Nick Marchini, Susan Jackson, Keith Watson and David Glazebrook. Quantity surveyors: V J Mendoza & Partners: Structural engineers: Kenchington Little & Partners. Mechanical and electrical consul-tants: Tarmac Regional Construction. Design consultants: Galding Nuun & Stack. Developers: Tarunc mac Regional Construction

The top-lit mail has a light, airy atmosphere.





Gables and overhangs reflect other features of the street

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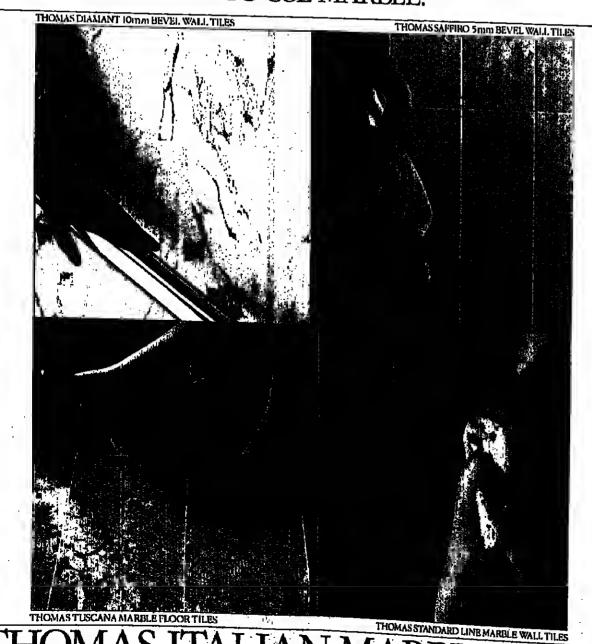
thickness and weight). The range of wall tiles, in a choice (Marble & Granite) Limited, of eleven different Italian marbles, is 38 Higher Road, Urmston, complemented by matching floor tiles, size 600 × 300 × 14mm.

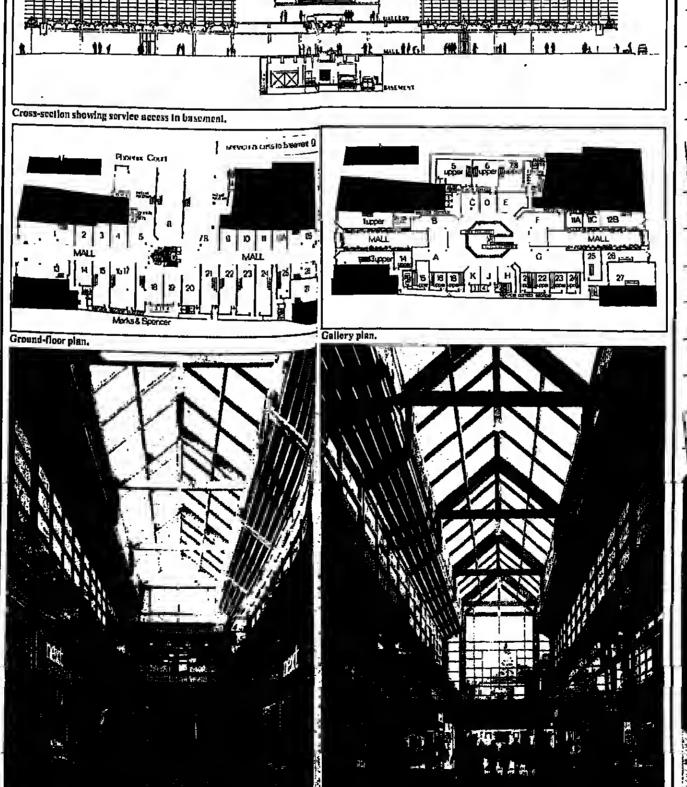
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Low-key detailing allows the shops to retain shoppers' attention





SIR E Owen Williams (1890-1969) was one of the most of the Nottingham-based Boots integinative and innovative Pure Driig Co, who drew

attention to the newly conengineers of his generation. structed "Crystsl Paloce" in He was also n natural "archi-1933 when he officially opened tect" who saw the Iwo the impressively massive new structure that had grown up professional categories as interchangeable, if not inover the previous three years on dispensible. The title "enthe firm's Beeston site. This new gitteer" meant "to mnke". building, still known as "D 10" while "the nrchitect is a or the "Wets" Processing doer", he told an AA Building, was widely received at the time as England's "new audience in 1953.

wonder factory"

The building was reported i

periodicals and books through

out the world as a truly modern

and thoroughly "European"

building. It was also seen as a

remorkable British experiment

in factory arehitecture based on

such contemporary Utopian

ideals as "sun, light andair". the

creation of an efficient and

conducive environment and the

establishment of humane

working conditions. Thus if quickly established its inter

in appearance with n staircase a

one end of the building a

symbolie in its expression c

activity, modernity and openness as anything in Fritz Lang's film "Metropolis", while at the

other end where it was cut off in

mid-beam if suggested scope for endless extends bility. This rather

ephemeral temporary end to the

structure may well have

symbolised the potential of the

Boots Company'a new produc-

livity drive and prosperity.

Williams had designed for Boots

a new kind of Utopian factory in

which the open planning was introduced on s grand scale as

Most of the working apsces

were arranged on a well-lil

ground floor and located be-

nesth the grent open courts which welled up through the

five-storey balconied super-

structure. Surmounting this, and hovering independently

above it, is the grest conceve

saucer-alianed concrete and

glass roof which unifies the

whole design and lets the

dnylight penetrate through a

membrane of tessellated glass

prisms. In turn these give the appearance of thousands upon

thousands of finshing eyea

gazing down on the multifarions

an ideal.

It was a dramatic tour deforce

national credibility.

His widely respected international reputation was initially established through his involvement as principal engineer to the British Empire Exhibition at Wembley in the early 1920s. At Wembley he was consulting engineer, working closely with the exhibition are hiteets John W Simpson and Maxwell Ayrton on the general layout and on the design of several of the main pavilions, as well as on the great Empire Stadium itself which was opened a year before the exhibition in 1923.

He was responsible for introducing the widespread use of moss non-reinforced as well as reinforced concrete construction for the three large permanem exhibition palaces and some of the temporary pavilions. He also developed original new techniques for the surface treatment of these conerete struelures. Laler. together with former RIBA president John Simpson, he was knighted in 1924 for his services to the exhibition, which was so successful that it reopened for a further year in 1925.

This was an suspicious start to a formidably long and conspicuously successful career which kept Sir Owen Williams' name in front of his professional eolleagues for nearly five decades. More recently there has been a widesprend renewal of interest in his work, particularly in structures like the Daily Express building in Fleet Street and the Boots Factory at Beeston which reached its 50th anniversary in 1983.

il was towards the end of the 1920s that Williams put, on paper the skeleton of this unique nodern building which was comparable in size al least --- If not in content - to Sir Joseph Paxton's great 1851 Hyde Park Crystal Paince. Indeed it was



white light pervades the busy production and storage areas. It hardly ever overheats in

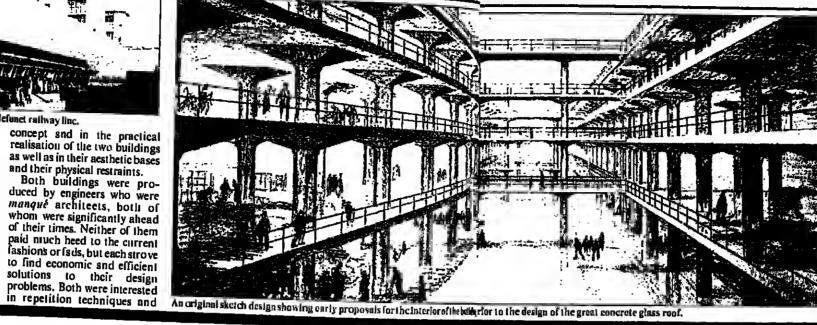
It is certainly its all-pervasive light and the great roof that draws from people the Crystal Polsce analogy and it is a valid one as both buildings were almost identical in size: Beeston covers 17 acres as opposed to the 18 acres of space on the original 1851 site at Hyde Psrk. There are also resemblonces both in

Lord Trent, the chief executive packing activities below. Is cool concept and in the practical realisation of the two buildings as well as in their aesthetic bases and their physical restraints.

Both buildings were produced by engineers who were manqué architeets, both of whom were significantly ahead of their times. Neither of them paid much heed to the current fashions or fads, but each strove to find economic and efficient solutions to their design problems. Both were interested

THE NTURAL

Few engineers have commanded such resping architects as Sir Owan Williams. In the first of two articles coinciding with an exhibition chitectural Association, Dennis Sharp examines Williams' projects and the Daily Express.



ain sections through the 1)10 building at itersion

thus in prefubrication and broth engineers invented new forms as n direct outcome of the analysis of their specific programmes. But the point of maximum educidence is over their fasination with the spectacular world of glass architecture.

l'axton's roots were firmly placed in horticultural buildings of his nntive Bedinrdshire although it was later of Chots-

directly to concrete through training and instinct. History shows the wisdom of such a choice. The Crystal Palace, based us it was on a temporary technology, was not able to withstand the devouring effects of fire on its new Sydenliam site.

At the Beeston works Williams pioneered the use of fireprotected concrete in order to cover the vast working areas. He worth that heexperimented with his "new technology" of timber, iron and glass. Williams came using it to great effect in its

contilevered form and thus indicated a structural virtuosity far in excess of Paxton's.

In addition, the Beeston works was based on ambitious ideas about production lines and intopian ideals about modern working conditions that were shared and developed by his client colleagues at Buots. The initiative for the new

image of the Bonts factory in the period after the First World War came from the firm's founder, Jesse Boot. Seen at the time ns one of thot great line of philanthropists and industrial com-munity builders who included the Cadburys of Bourneville and his old friend William Lever of Port Sunlight, Boot (the first Lord Trent) dreamt of establishing an environment of quality for his own employees. Locally he enjoyed a lifetime mendship with the Nottingham Quaker family of Armitage ond also with John Burns, the wellkuown Socialist politician who wns passionately concerned with the welfare of Notting-

liam's working elasses.

Spurred on by his firm's commercial success, Boot purchased in 1922 a large estate called "Highfields" some two miles to the south-west of the city and adjocent to the main LMS milway line and near the Nottingham-Beeston cannl. He envisaged the expansion of his successful and rapidly growing manufacturing and retail em-pire on this site and dreamt of linking it to a Utopian settlement slong the lines of

But for s variety of reasons ill-health and early retirement notwithstanding — he was unnble to nehieve his philnn-

thropie ideals. Boot was, at the same time, nlso involved in the rapid expansion of his own business oncerns, but he was graduolly making way for his son John to take over the family businesses. The rapid growth of the Boots Company demanded new pro-duction and warehousing facil-Itles because existing necom-modation was far below accept-able post-war standards. The existing works were situated on ow-scale and constricted sites in the centre of Nottingham. Although Jesse Boot had purchased Highfields in order to nlleviate this congestion, the

factory community did not immediately unterialise. Subsequently Bara (who in 1920 had invited young engineer Hedley Jessup to develop his own ideas for a factory and community at Highfields) left the details of expansion to his son. It was carried through with distinction. As enrly as 1921 a new uffice

proposals for the idealised new

block was built on the Nottinghom Station Road site. Shortly afterwards a new 40-foot deep building for soap products and the "wets" and "drys" bottling and packing assembly lines was designed by Bromley and Walkins, the firm's "house" architeets, along the whole length of Station Road, Jessop, who had studied flow production techniques in the United States, was extremely eriticol of this earlier building and ob-served that a building 52 feet deep was required for efficient production. His demands were listened to by John Boot and lie was instructed to look for suitable locations for new factory premises.

He soon found an attroctive low-cost location of 136 acres odjacent to the Highfields estote. It was bought for the company in 1927. Jessop joined "works planning committee" expressly concerned with new expansion and development proposals, portieularly of the well-known Boots soap lines. Bromley and Watkins were no longer retained as architects and in 1928 on part of the new site at Beeston Jessop designed and built the first of the new premises: a soapworks. It

still stands tods y. The area of land required for expansion was increased and plans laid for a much larger "wets" and "drys" goods building. Jessop himself drew out an initial layout for the site showing a 3,000-foot-tong building. It was too formidable a problem for Jessop and Williams was brought in as the consultant engineer. He soon took on the job ss design orehitect as well and within a few years created the entirely new ininge that the firm lind been seeking based on efficiency, good organisation and working

Jesson had provided the basis for the rational planning if notcontinued page 26



largs with British Premier Lloyd George in his Walsh garden.

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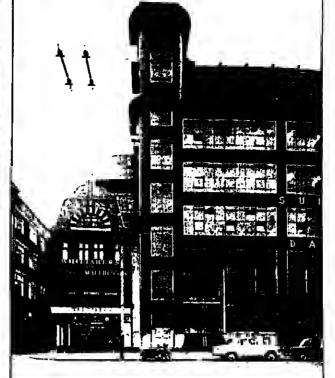
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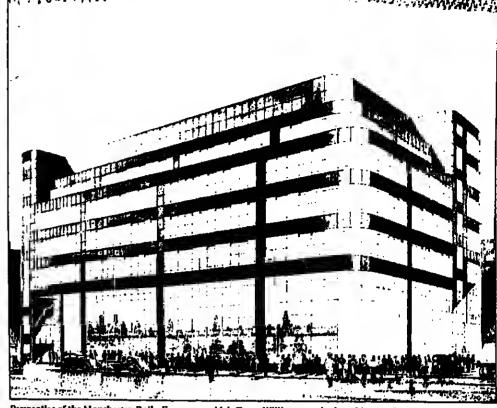








inchester Daily Express entronce on Great Ancosts Street. The



Perspective of the Monchester Daily Express on which Owen Williams was both architect and engineer. Vitrolite blac glazing ponels are again used but the bunded industrial windows are rather unsatisfactorily designed. The building represents the democratic process of work with presses rolling out the news behind the huge windows through which the

The natural

the structural soundness, Williams' new "Wets" building at Beeston materially contributed, as a practical exemplar, to the betterment of working conditions in factory buildings in England. It was to be the most successful of his great functional glass palaces; a polace, as he said in a lecture in 1929: "... fit for purpose and as inexpensive as the adaptation of structure to purpose would allow."

The new industrial palace at Becston was erected ou a waterlogged and derelict site. It was built entirely in reinforced concrete with a mushroom columned structure. The new factory was mennt to provide ideal working conditions for full production. In a souvenir panihlet some years after it opened the writer extolled the virtues of the new idea: "From the moment of conception of this new Beeston works, all the attention foeussed upon the purpose for which the building was intended: production." But Lord Trent had qualified this in his opening speech in 1933 by stating that: "Modern machin-ery has not displaced human

The Boots "D 10" is just one of many important buildings earried out hy Williams' structurni engineering and design practice in the 1920-30s. But it is easily the most original of his works, though it remoins in-complete. Intended to be n 1,000 eet long, it remains at 730 feet, with the connections for the extensions still visible through mess of smaller tincordinated structures, pipes and orries that litter the site.

The interior reaches a height continuous canopy that runs protects the 30ft wide "unloading dock". This spectacular piece of cantilevered concrete originally covered a railway track which gave access to goods to the main LMS Railway. Today it provides a cover for the trucks and container lorries.

The building's vital dimensions are worth noting, because they give a clear idea of the scale and magnitude of the vast enterprise with which Williams was concerned. While considerably smaller in total area than the famous Flat Lingotto factory in Turio which — with the latter's great courtyard - it in some ways resembles, it was claimed at the time it was built to

On completion British arehitecture was, one architectural journal put it, "... jerked into consciousness by the work of an eminent engineer". The writer reminded readers: "This sort of thing happened once before in 1851, but arehitecture was not then so ready to profit by the example of Paxton. Eighty years later ... Sir Owen followed up the initial break by performinga double service. Firstly, lie showed that in England such work did not necessarily have to rely on Continental inspiration for its forms, and, secondly, that the engineer's solution of this particular problem was nearer architecture than most are hiteets could then have made

This comment jibed at the new obsession architects had with Le Corbusier's theories but conveniently ignored his elaim in Towards a New Architecture — that only engineers had

The second building designed on the Beeston site by Williams was to deal with the packaging of "dry" powder products (sweets, medicinal powders, ctc) rather than the "wet" processes which were earried out in the enrlier structure. The "Drys" building was completed in 1938 and covered an area of similar size to the first one. But it is much leas adventurous and much less interesting from an architectural point of view. It neither explored the Utopian spatiol potential of industrial roduction as in the "D 10" tuilding, nor came to terms with the new industrial architectural aesthetic in such a radical way of 70ft through five floors, its total width is 580ft, and the expression and certainly impressive with a part deco office front and a long, low flat production roof.

This second building, which had an adjacent small reinforced concrete fire station, appears to be struggling with problems of stylistic integration rather than structural or aesthetic in-novation although admittedly it did not need the great areas of the earlier example. A much larger integrated project of 1936 that incorporated further administrative buildings, a school and several service structures was never realised.

During the same year that the Boots factory at Beeston was occupied, another new, important and impressive building - largely conceived by

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Williams as a structural the "most modern building in concrete problem — was Britain". It was produced for and there was not the slightest Daily Express building, the first of three such buildings to be built in Britain in the 1930s, was shudder of modesty here - the "most modern newspaper in situated on the corner of Fleet sheathed in its slick black Street and Shoe Lane. Although t was somewhat different in concept from the Boots factory buildings, in its external ap-

pearance it exploited the same fundamental use of concrete and As early as 1930 — possibly a year or so after the commission was first obtained from Lord Beaverbrook — Williams had proposed an all-concrete building with similar fencs-tration details to those em-ployed at the Boots factory. The same year Herbert O Ellis & Clarke, the arehiteets appointed for the job, proposed a Neo-classical facade similar to the new Daily Telegraph building a few doors away. This design was

Both firms then worked on new proposals, in an "equal design" capacity, and produced a solution based on a completely independent external glass wall system that virtually wrapped itself around the portal-framed einforced concrete structure which had been at the core of Villinms' orlginal design. When finished, the new

bullding was greeted, in the Daily Express's own words, as

Vitrolite glass dress it was a startlingly original addition to Fleet Street's urbane character. The building was opened by the newspaper's proprietor. amid a flourish of publicity. Its

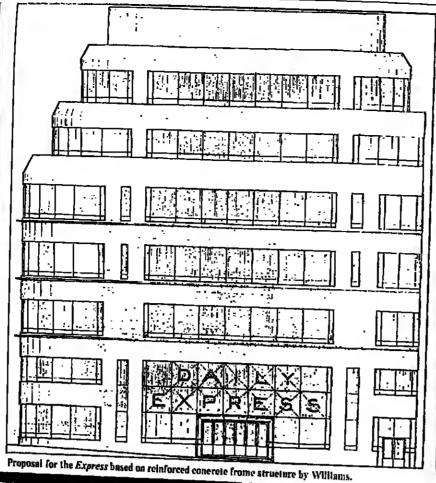
black glass surface contributed a completely new and almost magical element to this predietably traditional street. Its smooth reflective surfaces acted as a mirror to the sky. It wasseen as an uncompromising modern edifice yet its surface treatment popular. Its suave, smart apearance — three panels of black glass per bay — was in keeping with the hygienic looking, easy-to-elean and "streamlined" ideas of the 30s, It was described as a new

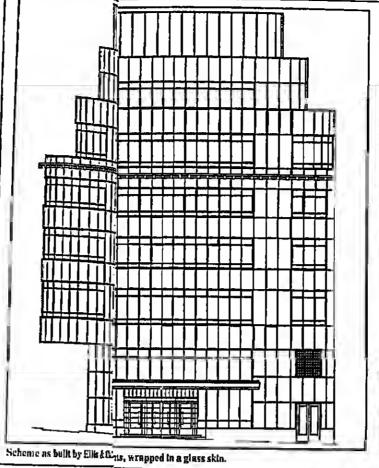
rchitcetural colleagues had stumbled on a successful formula. He was later to repeat it
— but without the architects Ellis and Clarke — in Glasgow and later at Manchester towards the end of the decade. Even the avant-garde could not ignore these new "Modernisi" news-

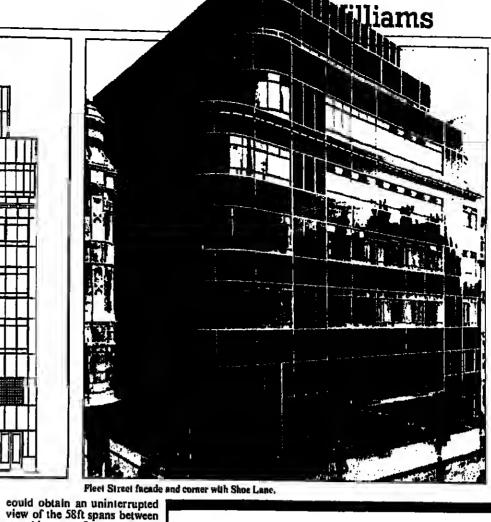


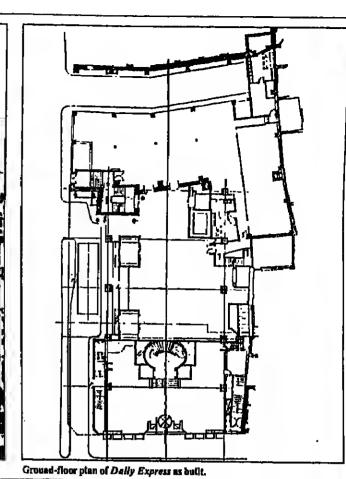
Daily Express in Glasgow; neither the Manchester nor Glasgow buildings sho the same attention to external detail as the original Fleet Street schome.

Entar 24 ON EXPRESS ENQUIRY CARO









The natural

paper offices while the more imditional architects appear to have been somewhat confused by its simple means of expression and its popularity.
Willioms ended up both the saviour and the full-guy of British Modernism, a pusition he thoroughly recognised but happily ignored.

liappily ignored.

After the opening of the new building along Fleet Street, the encasement of the steelwork of the original and earlier Pally Express building as the Charles Express building on the Shoc Lane side was begun, as were the reinforced concrete connections made to the new building. This was done to provide a con-tinuous facade, n successful deep spanning plan for the new presses to be relocated and a fullheight sectional profile. The simplicity of expression of the new building covered the somewhat complicated volumes and was a result of a sophisticated refinement of the Vitrolite glass eladding. The designance eladding. The designers ex-ploited its unusual elegance as a facing material and its technical potential as a neatly jointing

Vitrolite was a semi-opaque glass which had been first introduced into Finder de sa building material in 1930. It had, however has a med extensively however, been used extensively on the Continent in the previous two decades. Opal sheet glass itself has, of course, a respeciable history of use in buildings dating well back to the lime of the Egyptians. But on the Dath Figures building it was not

ed for its translucent qualities but to cover wall area and as spandrel panels. It was employed essentially as building's corners, Chems a surface material, which is perhaps why its use is so often confused with the later systems of "curtain walling" which were developed in the US and Britain after the last war. It had neither the thermal nor structural qualities of this later kind of considered to be part of that ials. The material ital and of checkerhoard can be appreciated for logically natural points of its logically natural points of approach. The Expension of approach . The Expensio to create a kind of checkerboard pattern, not striated as in Continental examples, It contrasted with the transparency of the window areas.

Serie Chermayell, in the July 1932 Architectural Review, underscored the building's ation has not changed ore its success with the general public considerably extended by the

stanchions ... It was the en-gineer's ability to give the basement a span of 2ft wider than in the floors above, which was one of the deciding factors in the adoption of concrete In fact, the engineer adopted the use of portal frames throughout. The main portals span 56ft 6in on each floor

(except for the west side where the extra 2ft was taken up) From the portal frames canti levers were extended a further 19ft through four floors inter-rupled only by the laylights on the east side of the building. The cantilever treatment was similar

to that adopted at Beeston. Chermayeff was not so com chermayen was not so complimentary about the interior of the building: "On entering the building one finds that the promise of structure has not been fulfilled in the furnishing. and equipment... The entrance hall, merellessly daylit from the continuous run of windows and doors is, in my opinion, in-appropriate to the structuring simplicity or the business of the building."

This entrance hall was designed independently by Robert Atkinson, the then principal of the AA school, and a successful praetitioner of 1930s decorative art, at the direct invitation of Lord Beaverbrook.
At the far end of Atkioson's

Initial scheme stood Bilis & Clarke's beautifully designed flattened, elliptically shaped reinforced concrete spiral staircase. This seems to be a refine ment of an earlier elreular one shown in Williams' drawing of 1931. Covered with buff terrazzo and divided into panels with ebonite expansion joints. ternal treatment of the building than with the super einema appearance of Atkinson's foyer. its sensuously curved and generously proportioned hand-rail was fashioned out of shiny "Birmabright", the same stain-less steel edging material that had been used for the spacers between the black Vitrolite panels of the exterior. .

Sir Owen Williams: Architect of an Sir Owen Williams: Architect of an Engineering Utopia, by Dennis Sharp, will be published later this year by Book Art, 114.93, Fre-publication order price of £12,95 (until July 31) from Book Art, 4 All Saints Street, London NI 9RL (add £1.75 p&p).

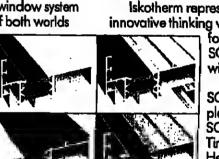
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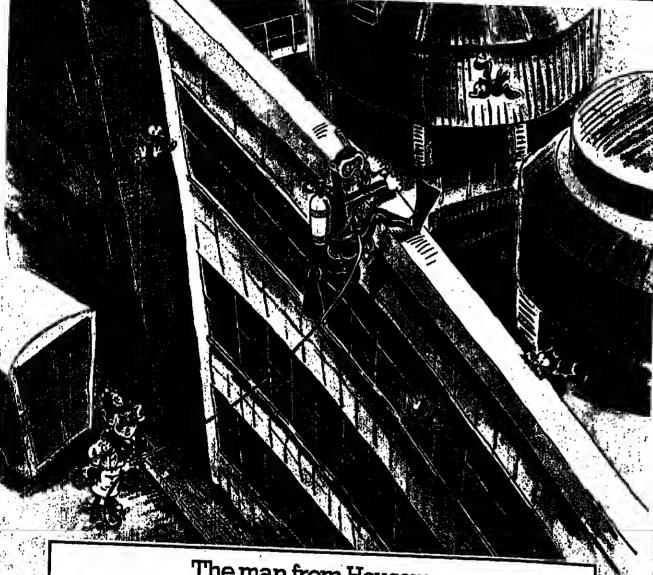
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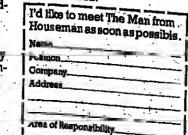
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Clarke & Gallannaugh. The and compared it unfavour most recent extension lost the Telegraph: "It commands miration and respect from opportunity of continuing the striation of glass and black Virtolite into the new building and adopted a "hiccup" spproach which allowed an extra onlooker, who must remain ignorant and indiff to whatever charms and he are hid behind the upholstell the Telegraph." Enhanced

position on a corner site. completely differently from Telegraph building. The smed flow of its curves in continued: "complete the sle from the front. It has the dimensions. It tells its story can be appreciated were expressed, perhaps as quite so elegantly, inmanyable

quarters. The original building a have successed, was a get

floor to be dropped into the new part for economie reasons. It hasn't helped the original his praise of the building's appearance, but he also knew that the building was under-pinned by an elaborate and well worked out structure in which he felt that: "The promise which the structure itself gave has been largely fulfilled. The building has been elothed but not dis-

guised. The perfect logic of continuous fenestration is there to be appreciated at all times, construction is visible, in addition to clarify and to The development of the main

structure came about largely through the planning of the basement area. Here the inbasement area. Here the in-genuity of Williams' design would only have been seen in those carly stages — as Chermayeff said — when "one The exhibition on Sir Owen Williams Architectural Association, 36 Bed-ford Square, London WCI, Detnits: 01-636 1974.

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Encouraging trends in flat roofing

INTERESTING figures have been released by Permanite which indicate a definite trend in flat roof indicate a definite trend in flat roof membrane specification.

Generally, flat roofing earried out using traditional BS felts (88 747 felts before the latest revision of the standard which in February this year introduced Type 5 high-performance felts) seems to be declining in favour of work carried out using so-called high-performance felts (polyester based membranes and above).

In 1983 about 17.3 million ag m of Type 5 felts were laid, increasing in 1984 to 19.4 million and 1985 to 20.4 million. This trend is forecast to be maintained.

As an aside, it is gratifying to note the eonsiderable increase in high-performance roofings of all types. This must be the sensible specifier action in view of the continuing saga of disaster caused by substandard for the continuing saga of the sensible specifier action in view of the continuing saga of disaster caused by substandard for the sensible sagard. to be maintaine Within this sector, torch-on felts

titude this sector, torch-on felts are experiencing a similar boost, but still lagging well behind the Continent, where about 33 per cent of high-performance felts are torch applied. In this country the percentinge is somewhere between 15 per cent and 20 per cent, but the trend is firmly upwards—from a trend is firmly upwards — from a mere 1.5 million sq m in 1982 to 4.5

Enter 100 ENEXPRESS

Harold Hudso

by substandard flat roofs of the

imported by the companies marketing them. In this, Permanta was no different from its

competitors. But it decided to do something about it and in 1984

manufacturing plant at Appley Bridge near Wigan. From there being no British-made torch-on felt in 1983, there were sales of 680,000sq m of British felt last year—all from Permanite.

opened a new torch-on felt

If you would like more information on the products on these pages, fill in and return the pre-paid enquiry card.



UNDERCARPET eabling in three forms — power, data processing and telecommunications wiring — has been introduced by Britanac.
The Britany system of flat enbling is laid and a size of the process. is laid out on the floor before the earpet is hid. It is simple and quick tn install and can be ensily modified. Outlets can be connected anywhere along the cuble runs. Speed and economy are the system's primary advantages, and installation is said to be well within the capabilities of normal qualified

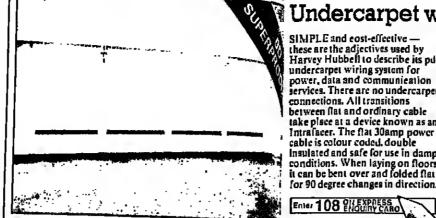
Enter 101 ON EXPRESS

Plan storage

EACH drawing contained in the new range of vertical plan storage eablnets from J T S Office Equipment is suspended. Individually to make reference and selection easy. The hand-polished hardwood frame produces an excellent finish in dark or light oak. A space-saving feature of the A space-saving feature of the cabinets is that they are fitted with a combination of both top and front opening arrangementa, making them easy and safe to use.







CONVECTOR CASIN Trunking

NON-STANDARD perimeter convector casings for heating and air-conditioning units can he supplied by Norwood Partitions in styles and sizes to suit individual needs of particular buildings. In addition, column and died engage addition, column and duct ensings can be constructed in mulching finishes and in a style that suits the

Interior design.

Norwood provides a full design and install service, including the production of full working drawings. Design options for the casings include square, chamfered or radius former and the casings include square. or radius formats and a choice of grilles and louvres. Norwood easings are made from heavy-gauge

Dry roof

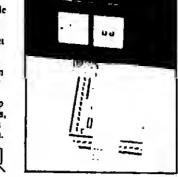
furnituse grade steel, pre-tinished in semi-man semi eunniel 10 most BS or Rd colours. Special colours pyc und Colourcoat feite also available if required Installation is uspall undertaken in (wo sieged when the services are high the second just prior tolk

Enter 103 ENOURY

New products

Undercarpet wiring

these are the adjectives used by Harvey Hubbell to describe its pue undercarpet wiring system for power, data and communication services. There are no undercarpe between flat and ordinary cable take pisce at a device known as an Intrafacer. The flat 30amp power able is colour coded, do Insulated and safe for use in damp conditions. When laying on floors, it can be bent over and folded flat for 90 degree changes in direction.





COMPLYING with BS 4678, two new ranges of high impact pve trunking have been introduced by Centaur Extruded Products. Both Mini-trunking and Masi-trunking are available in five sizes and in standard 3m lengths. The Minitrunking is in white: the Masi in white or grey. Other colours and lengths can be produced for special applications. The systems are made up of over 140 compatible accessories, allowing most installations to be earried out quickly and economically

Enter 109 ON EXPASSS

Lantern

DW Windsor's traditional lighting range has been extended by the new Windsor Terrace lantern, for use with its Wells and Terrace mountings. The lantern, which is manufactured in copper, is the smallest of the five Windson styles, and is available in three standard finishes. It will take a GLS lamp up to 60W or an energy-saving \$1.9 Jams. Manufacture and the first standard finishes. lamp, Minuming options include wall bracket, pedestal, lamp-post and multi-arm lamp-post. Windsor's 1986 colour brochure is

Enter 114 On Express

Outside seating

OF Italian design, the new Orsogril exterior seats are contoured for comfort and strength. Their open grid construction does not retain noisture and, being made entirely mosture and, being made enti-of steel, the seats are atrong, durable and practically vandal proof. In addition to being noncombustible, the seats are corrosion protected by hot-dip galvanising to BS 729 and finished in a choice of coloured plastic

Eme 115 ON EXPRESS

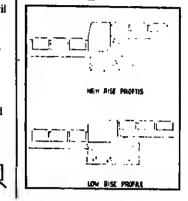
Fixings

MANUFACTURED in Holland, the Speedplug, available over here from Armstrong Sciews & Usings, is a two-part, pre-assembled, dasa in and screw-out device. Consisting of a nylon plug, which is resistant to age-hardening, and a galvanised steel screwnail, the Speedplug can be supplied in a variety of lengths and diameters for the fixing of materials up to 60mm thick. Applications include fixing sheet metal components, door and window frames, battens, skirtings, trunking etc.

Enter 116 CHESCHESS



Edging blocks



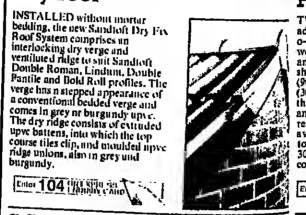
QUIKPAVE concrete block paving from RBS Brooklyns has been augmented by a new versatile augmented by a new versatine edging bluck. Capable of being used as kerbing, for steps, drainage channels or to form sleeping policemen, these blocks measure 200 × 100 × 125mm and are the first in a series of accessories which are proposed for introduction during 1986. The Quiekpave range includes the Quadblock interlocking blocks in six colours and two thicknesses.

Enter 117 CHEXPRESS

HIRTY YEARS OF hard weer would finish most floors. Yet LP Stud stends up to the yeers. To scratches, abrasion...and even burning digarettes.

LP Stud is made exclusively in Britein - in eleven bold colours that bring your most creative deelgn concepts to life. Send for your Hareheld Harefield rubber flooring folder, now.

For your folder post this coupon to Herefield Rubber Co, Lld, Gell Works, Har Held, Michiesex UBB or IG. Сотошку Flooring



Enter 104 that spin ser SS brick mesh

verge has a stepped appearance of a conventional bedded verge and

ridge unions, also in grey und



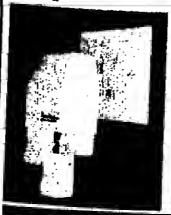
COMPLYING in all mones the new BS 5628; Part 2191 BRC has introduced suits steel version of his well-med Brickforce bed-Joint realist for brickwork. Completes reinforcement, the new good can be used even where the exposure demands the wine corrosion-proof melbox by welded construction, Birdis comes in 4.86m straighter and in bundles of 20 picts in widths are supplied from the

I Mer 105 PARTE

Reflective paint

RAYFLECT Plus is a new aluminium solar reflective paint which is applied by spruying and is compatible with standard or modified felts. Its manufacturer, J & D Raynes, claims there is virtually no separation of the pigment in the ean, thus eliminating time-consuming altring. It also should eliminate the practice of some roofers of the practice of some roofers of discarding part-used cans. A seven-10 year life expectancy is claimed for Rayflect Plus, which comes in 25 and 5-litre cans.

Enter 106 Parking Fact Adaptors



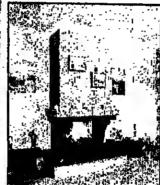
SAFETY is the primary claimed for the Masterian available from Masterian Products, Four low-point in than 1,500 Weach spine to the state of the stat shuttered outel societies and neutral lamped moulded pulycaring to Each Masteradapta complete with four order and detailed application instructions. Enter 107

be walked on with complete safety, and yet they can be easily rolled up and removed for regular maintenance operations. Available in anodised aluminium, brass, chrome-nickel steel, zinc-coated aretis in painted finish, and inserted plastic foot strip and glass. reinforced polyester, the Enviras grilles from Enviro Aesthetic Endneering are made to measure and now can hande make-up plates up to 420mm in width.

Pale wood floors added by Wicanders to its Wood-o-Cork vinyl bonded, cork backed,

wood plank flooring. White Oak and Red Oak are the two pastel shades, available in both plank (900mm×150mm) and tile (300mm×300mm) sizes. The thickness of the flooring is 32mm and the vioyl surface protects the teal wood veneer. Both will also be available bonded to pre-formed. tongued and grooved 900mm > 300mm fireboard panels to construct floating floors.

Fire kit



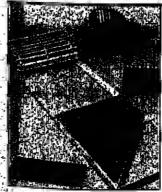
CONTINENTAL Flair Fire is a company which specialises in delivering fireplaces in various forms, complete with firebricks, throat unit, damper and support assembly, all of which gives the facility to construct a fireplace without the need for a brick recess. Various styles are available through fire or a corner fire — all of which can be put together with

Enter 111 CHEXPRESS

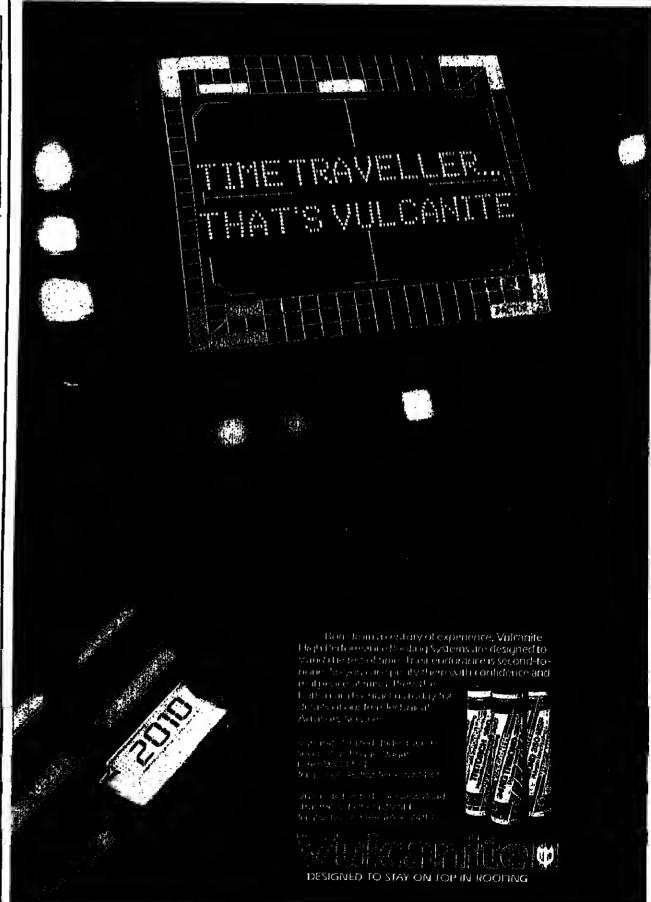
Wider application

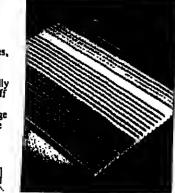
GAMMAT, the isotropic flat roofing membrane from Permanite with amazing powers of elasticity, was introduced about two years ago as a BBA certified roofing which was fixed only by BBA certified operatives. Permanite now announces that its continuing training and development training and development programme for approved contractors is drawing to a conclusion. It has nationwice coverage, with competitive prices participating contractors.

Enter 112 SNEXPRESS Floor grilles



Enter 113 CHEXPRESS





AFTER years of success, Cushionflor from Forbo-Nairn has been given a facelift. This cushioned vinyl brand leader has always relied heavily on popular intrative affects and these remains

imitative effects, and these remain

significant design types. Including ninc retentions, the Cushionflor collection now contains nine designs and 18 colours, all in 3m and 4m widths.

Enler 119 ON EXPRESS

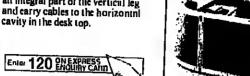
central to the updated design range, but with new interpretations ringing a refreshing look to many

Enter 118 ON FARRY CALIF

New floor designs

Office furniture ASHER Systems Furniture is

tackling the needs of the electronic office in a realist fashion. Extensive research has led to a refreshing approach to systems furniture which satisfied high standards of performance and appearance.
Cable management is a unique consideration with Asher's lay-in system for desks with three separate cable eliminels. These are an integral part of the vertical leg and earry cables to the horizontal cavity in the desk top.



Fluorescent luminaires

HIGH levels of illumination with an almost complete absence of glare — this is the claimed

performance of the Iride series of

performance of the fride scries of fluorescent luminaires, part of the Program Z range from Prima Lighting. These fittings have housings of robust white atcel, highly efficient mirror optic parabolic reflectors in ano dised aluminium and, for use in vdu areas, asymmetrical parabolic reflectors which deflect the light towards the walls to avoid aereen

towards the walls to avoid acreer

Enler 121 ON EXPRESS

ther 122 pm ones.

Furniture fittings

DESIGNED in Italy and manufactured from east brass, nikrall alloy or a combination of both materials, the Habilogia

collection of furniture littings consists of 12 highly individual

styles, including Inturistic genmetric lines in eye-entehing

ontemporary decor was the impetus that led to the birth of

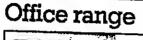
tabilonia. It is available in this

untry from Valli & Colombo.

colours. Demand for quality modes which will complement



Tet- 123 ENDURYERS





COMBINING traditionis; natural wood finishes, at a British-ntade range of offa furniture — Baltie E—kei launched by Dobson Bulk-The range includes design workstations for the sole executive, as well as forger nianagement, clencal and administrative functions? wire management analyze are included and therage complemented by storige:

Brick type paving

SUSSEX paving, recently intruduced by Atlas Stone, sets out to reproduce the appearance of red brick paving in concrete slabs.

Bach unit mensures 450mm × 450mm and has a surface divided into a charge of the stone 450mm and has a surface divided into a chequer board pattern of 12 brick shapes. Advantages of this type of paving over the genuine article are that slabs are easier and quicker to buy und cost less. The manufacturous also claim that Sussex paving is more duruble.

Emer 124 ON FORESC



Office seating



BASI-D on the result of all years' research into the eight needs of people who spender working hie sitting down.th Deabert range of office seal; now available from Dobos & Interiors. The most algorithm ilevelopment is the patened Relaxifiex backrest system is designed to support the hi length of the spine. This kind been accentuated in the Engli

Enter 125 SHOURT CA

INDEMNITY

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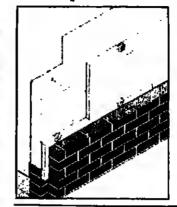
Mr. Mrs. Ms. Miss Name of practice

Technical literature

Precast floors

BISON Concrete has just published a 16-page illustrated brochure, Precast prestressed floors: their application on steel frames and other multi-storey construction. Written by Bison's elifel engineer, A C Crane, it precast floors, such as design trength incorporating full liaphragm effect and lateral weight. Other merits include

Cavity Insulation



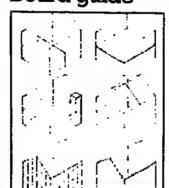
AS well as giving full performance details of Gypglas BCW partial-fill cavity insulation batts, the new sixpage data sheet from Gyproc Glass Fibre Insulntion sets out a step-by-step guide to installntion, especially low to tackle those awkward details round corners and wall openings. Typical U-values achieved by using Gypglas BCW wall insulation are given and attention is drawn to its BBA certificate, which gives it a clean bill of health for buildings up to

Enter 127 ON EXPRESS

Ceiling Installation

STEP-by-step information on the installation of the latest open-cell ceiling from Formwood — the Magnagrid 12 — is contained in a new colour technical brochure. It clearly describes the quantities architectaneed to specify and

lightweight aluminium, Magnogrid
12 has the advantage over its
predecessors of being demountable
directly downwards. Perimeter
installation advice and cutting nethods are also covered



CAPE Boards, leading producer of fire protection and general purpose boards, has — over the years — produced a series of Individual leaflets and handbooks to describe all his produces and their all its products and their applications. Now, in order to guid specifiers straight to the right information, Cape Boards has published a six-page guide which leads the reader from the required application, directly to the correct board and the appropriate pieces of

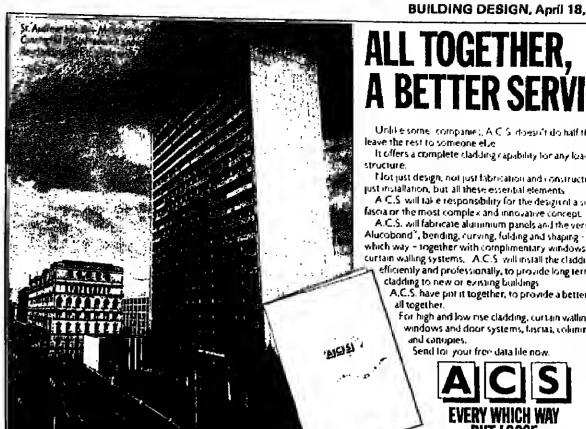
MUCH research in Scandinavia MUCH research in Scandinavia has gone into the development of Thomson & Balfour's Tip-Tight high-performance pivot window, which is the subject of a new eight-page brochure. There are a variety of standard sizes in the range and this new publication can help specifiers to meet a variety of custom-made situations. The same Lip Tight France can accommodate horizontally and vertically are vertically and vertica horizontally and vertically pivotted sashes and fixed glazing, either single or double.

Enter 130 ON EXPRESS

Bricks and Blocks



aged appearance which is a good simulation of genuine weathered



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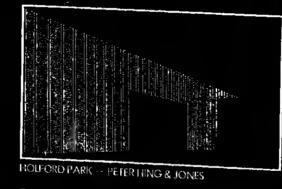
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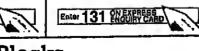
Tel; Busines

Euter 128 UN EXPRESS Board guide Pivot windows

Enter 129 ON EXPRESS

Door fittings

DORMA Door Controls has published a new 12-page brochure covering its Glas range of fittings and accessories for tempered glass interior doors. Featured in this well illustrated brochure is the GTS Series of locks, handles and hinges in various styles and finishes. These include the Junior Series of heavy include the Jindor Series of heavy duty door furniture and the Studio horizontal range. Planties include silver, gold or bronze anodised aluminium with lever handles also





PEAKSTONE Bricks has announced the publication of two new RIBA Data Sheets. The first deals with the Onto a state of the publication of two multi-coloured concrete facing bricks; the second with Old Yorkstone Walling blocks. The bricks are through-coloured and offer the housebuilder the option of an economic brick with proven dursbillty and dimensional accuracy. Old Yorkstone Walling, on the other hand, has a ready-aged annearance which is a good

Enter 132 ENCURY CARD



Timber catalogue

FORTY full-colour pages make u Malden Timber's spring 1986 catalogue. These are primarily devoted to the mainline products

of Mallinson-Denny — softwood hardwood and sheet materials.

There are a number of new

Joor canapies, DIY

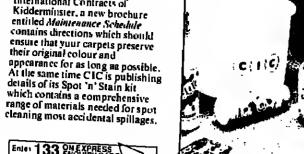
products, such as the flat-pack

nibes and olf-the-shelf

Enies 135 ON EXPRESS

ubicles called the Cubi-Kit.

nies, mirron-fronted



Enies 133 ON EXPRESS

Conductive flooring



Wood windows

AIMED at making wood window

selection easier for the specifier, the new 18-page Skonaen high performance window specifiers'

guide contains an index of window

Skansen windows are available

or top swing, tilt and turn or

Entar 32 ONEXPRESS

from Market Harborough Joinery and come in various forms — pivot

conventional top and side hung, vertical sliding or sound insulating.

plications and technical features.

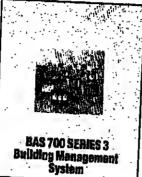
types which empliasises

FULL technical details of the Conductile static-conductive vinyl flooring from Vinyl Plastics of the States are contained in a new eightpage colour broebure. It discusses the proper uses of Conductile and gives spreification, installation and maintenance information. Conductile flooring is applicable to most locations where electrostatic discharge is a problem electronics manufacturing. computer rooms, clean rooms and some hospital environments.

Enier 134 ON EXPRESS

SKANSEN

Control systems



with greater flexibility and more

powerful rentralised control. The econd brochure takes a look at its networking range of controllers — based on two stand-alone devices — the EMC and the MMC.

MALDER

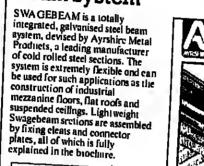
SATCHWELL Control Systems

has published three new colour brochures. The first denls will its BAS Series Three building

management system, an upgraded version of Satchwell a previous and very successful BAS 700 system.

Enter 136 ON EXPRESS ENOUGHY CARO

Beam system









Roof vents

Aluminium finishes

MFTAL finishing company Sillavan Metal Services Itas

produced a new six-page samples

proclaire which auts to illustrate

the carious surface funshes which

can be applied to abunium. The

company is best known for its limisting of standess steel. It has

extended its activities to include

bright polished, same polished, Sillavan brush polished and twa

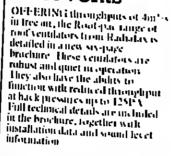
Total 137 Chart Spate State 1

putterned turishes — Silla van

Circle and Silbivan Stripe

Paving

aluminium. Fuuslies ülustrated are



finer 141 mer com co. T

I AUNCHING I MAC

This week

Saturday -- May 17 Building surgery, will be repeated on Saturday marnings at the "Care of Bullding," exhibition. Organised by the Building Conservation

East Molesey, Surrey. 10am-12pm. Details: John Griffiths, 01-942

Professional negligence — the dentification of defects in building,

University of Edinburgh. Monday-Venue: Incorporated Society of Valuers & Auctioneers Saturday, 10am-5pm. Details: RIAS, 031-229 7205. headquariers. 2.15pm-6.15pm. Deloiis Kathy Clark, 01-235 2282. Until April 27 Antidotes to madness Venue: Riverside Studios, Crisp

Until April 19

New Arcadlans - paintings

Eaglestone, Patrick livres, lan

Gardner, Andrew Griffiths and

Venue: Curwen Gallery, london

Turning Paints, from the collection of the RIAS. Venue: Talbot Rice Art Gallery,

photographs, prints and publications by Howard

Detalls: U1-636 1459.

Details: 01-741 2251.

and unemployed 75p. Details: 01-638 4141.

Until May I

Mondays execpt Bank Holidays

Cost: Adults £1.50, children 75p, atudents, oops, registered disabled

photographs by Ewen and Fiona McLnchinn. Venue: RIAS Gallery, 15 Rutland

New Image Glasgow, the work of Ken Curtis. Venue: Gallery I, Amolfini,

Until May 10
Philip Wilson Steer: paintings and watercolours, organised by the Fitzwilliam Museum and the Arts

Venue: Sloke-on-Trent Museum

Until May 15 Coca-Cola 1886-1986: designing o

Square, Edinburgh. Details: 031-229 7205.

Narrow Quay, Bristol. Details: (0272) 299 191.

and Art Oallery. Deinlia: (0782) 273 173.

Until Mny 4

Until April 27

Until April 19

AUNUTHING 1886.

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flags and accessoris his Print and Graphics in Architectural
tt annack has public Print and Graphics in Architectural
tt annack has public Print and Graphics in Architectural
tur-page brochunt: to discuss developments in
all. The first is saidable reprographic techniques.
Architectural Saida Venue: RIBA, 66 Portland Place,
turing The new Saida. London WI. nelmles seven basere, Cost: £60. flags, five thicknesse, 2: Details: 01-580 5533 lext 2371. timishes and three coke-

Wednesday JCT Intermediate Contract, course organised by the Midlands Study Venue: Albany Hotel, Birmingham

Cosl: £100. Centre subscribers £90. Details: Midlands Study Centre, 9 Westbourne Road, Edgbaston, Birmingham B15 3TN, 021-454

Beisize Park — o living suburb, Rook Wednesday photographic exhibition.
Venue: Did Hampstead Town Hall,
Haverstock Hill, London NW3.
Detalls: Leonic Findlny, 01-722 Roofpe Application and control of present oles is and future light sources, seminar organised by the Chartered Engineers Electrical Services Until May I
The evolution of the window,
arranged by the Terry Forrell
Partnerhsip.
Venue: Building Centre, 26 Store Group and Lighting Division. Venue: Westminster Cathedral Conference Centre, London. Details: Anne Daines, C1BS E, Delto House, 222 Bolham High Road, London SW129BS. Tel: 01-675 5211.

venue: Building Centre, 26 Store Street, London WC1. Detalls: Diano Hum, 01-637 1022 or Charles Brooking, 10483) 504 555. Architecture: A Profession for Women talk by South Wales Until May 2 Constellations: works in glass and nietals, the work of Ray King. Venue: RIBA, 66 Portland Place, Women Architects Group follows y a presentation of work by Pauline Fowler, visiting fellow at the Welsh School of Architecture Detalla: 01-580 5533. from Toronto, entitled Architectus Until May 2 The architecture of Michael Szyszkowitz and Knrig Kowniski,

Yenue: Lecture theatre, Welsh School of Architecture, Uwist, Details: Jane Chamberlain. Tel: (0432) 277 133.

Wednesday Planning appeols, course organised by Oxford Polytechnic Faculty of Architecture, Planning and Estate Management. Details: Carolin Tidbury, Short Course Unit, (0865) 60035.

development, conference organised by Community Design for Gwent. Venue: Cardiff. Detalls: Community Design for Gwent, (0633) 50271.

Thursday
The good claims guide, seminar
organised by Wynton Services Ltd.
Yenue: The Crest Hotel, Gatwick

Cost: £85 plus VAT.
Detolls: Penny Jackson,
Conference Administrator,
Wynton Services Ltd, PO Box 132,
Cheltenbare Col. ntegabrand. Venue: Bollerhouse, Victorio & Albert Museum, London SW7. Details: 01-581 5273. Cheltenham, Glos GL50 IHW. Tel: (0242) 582 770. Until May 18
Dobles figures, the work of
Antonio Saura, Eduardo Arroyo,
Miguel Barcelo and Jose Mnrio Venue: Museum of Modern Art, 30 Pembroke Street, Oxford OX1

Thalehing, seminar organised by the Thatching Advisory Service. Yenue: Thatching Advisory Service, 29 Nice Mile Ride, Berkshire. 9.30am-5.30pm. Cosl: £65 plus VAT. Dotalis: Tesso Blair, Thatching Advisory Service (0734) 734 203.

Exhibitions

Until April 19 Danny Lane: glass and steel. Venue: One Off, 56 Neal Street,

Coming soon

Details: (0865) 722 733.

Computer packages for the Building Industry, sentinar organised by FCG Computer Systems.

Venue: Building Centre, London WC1. 11am, 2pnt and 4pm.

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Road, Hammersmith, London W6. April 29-30 Contract low and construction contracts, course organised by CTA Services. Venue: Englemere, Kings Ride, Ascot, Berkshire, 9,30am-5,30pm Art and time - exploring time and motion in modern art. Venue: Barbicon Art Gallery Cost: £164 plus VAT. Barbienn Centre, London EC2.
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Holidnys noon-5.45pm, closed Details: Barbara French, CTA Services, 2-4 Wood Street, Dld

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Responsive environments: an orban design colloque, course organised by Oxford Polytechnic Faculty of Architecture, Planning and Estate Management Management. Details: Carolin Tudbury, Short Course Unit, 10865160035.

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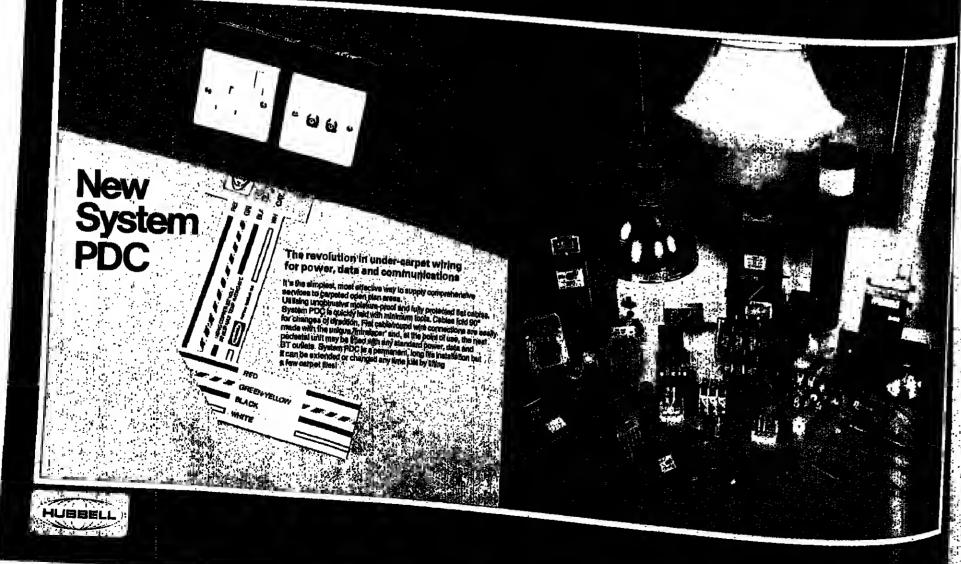
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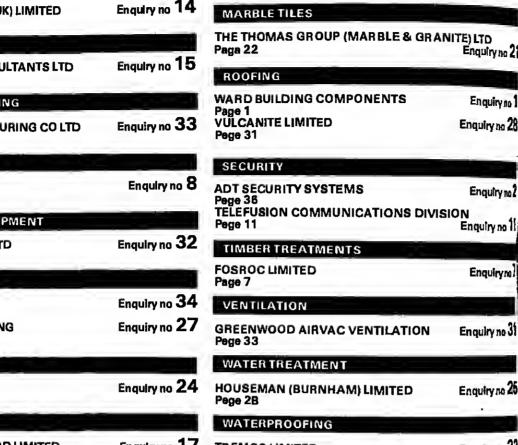
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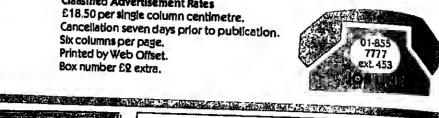
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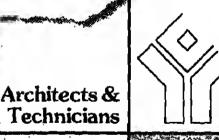
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Application forms and job descriptions are evallable from the Personnal and Management Services Officer, by telephontng Deventry 71100 by 2nd May 1966. **GAVENTRY GISTRICT COUNCIL**

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Application form for the above three posts (returnable by 2nd May 1988) and further details from Director of Personnal and Management Services, New Walk Centre, Welford Pixos, Lelcoster LE1 8ZG, Tel (0533) 549922 0xt 7099.

City Architects Architectural Technicians

Required to work in any one of these sections engaged on enextensive, capital works programme comprising, Housing Newbulld and Environmental Works, Improvements and General Architecture.

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DIRECTORATE OF HOUSING SERVICES

4760-213837-14

HE Directorate comprises Departments of Housing Management Services, Architectural Services and Community Maintenance Service, and has recently undergone a major restructuring. The post now vacant, due to Internal promotion, is one of six District Management posts and has responsibility for the Architectural Services Section.

The District Architect is responsible to the Depute Director of Housing -- Architectural Services for the provision of architectural and related services to Council Departments. The District Architect

will require to co-ordinate 16 design and supervisory staff in the planning, implementation and monitoring of the programme of improvement works and new works to a value of £4m per annu

contribution to the development of this recently reorganised

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Architectural Services at 041-776 7171 (ext. 359), Application forms giving full details of experience, qualification and achievements to date should be returned to the Manpower Services Officer by

James M. Rennie, Manpower Services Officer, Strathkelvin District Council, P.O. Box 4, Tom Johnston House, Civic Way, Kirkintilloch, Glasgow G66 4TJ.

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discuss the matter informally or request further information, please contact Campbell Crawford, Depute Director of Housing —

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The Solomon Islands, which became fully independent in 1978, have a total population of approximately 21900 and Honiara, the capital is on the island of Guadalcand. will be responsible for the design and construction of large, complex building to jects and for the day to day mane transfer from the day to day

Principal Architect Solomon Islands

Reporting to the Chief Architect, the Principal Architect management of contract. This will include formulaes briefs, site analysis, arranging estimates, preparation of designs, working drawings, specifications and site supervision. Other areas of involvement include supervision of draughtsmen, financial control of projects jointly with the Works Officers and on the job training of subordinates.

Candidatee should be British Citizens, sged 30-50, who are fully qualified Chartered Architects eligible for membership of RISA or an equivalent professional body. A background in contract management overseas would

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Exchange rate as et 24th March 1986 - £1.00 stg. - 61 \$2.3886. For further details and application form, please apply quoting ref. AH369/JC/AJ, stetling post concerned, and quoting details of age, qualifications and expension to put many Olices. Consume Levelor many Administration, Room 381, Aberrorombie House, Earlesham Road of Earlesham Road

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be savantageous. The appointment is on contract to the Government of the Solomon Islands for a period

Local salary is in the range SI \$9,774 to SI \$11,052 pa, plus e lax free aupplement, payable by ODA, in the range £9,634 to £13,248 pa. A terminal gratuity of 25% of local salary is also named to control of the contr salary is also payable on actification completion of contract. Other benefits include free passages, children education allowances and subsidised accommodation

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